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PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	JAN 02	STN pricing information for 2008 now available
NEWS 3	JAN 16	CAS patent coverage enhanced to include exemplified prophetic substances
NEWS 4	JAN 28	USPATFULL, USPAT2, and USPATOLD enhanced with new custom IPC display formats
NEWS 5	JAN 28	MARPAT searching enhanced
NEWS 6	JAN 28	USGENE now provides USPTO sequence data within 3 days of publication
NEWS 7	JAN 28	TOXCENTER enhanced with reloaded MEDLINE segment
NEWS 8	JAN 28	MEDLINE and LMEDLINE reloaded with enhancements
NEWS 9	FEB 08	STN Express, Version 8.3, now available
NEWS 10	FEB 20	PCI now available as a replacement to DPCI
NEWS 11	FEB 25	IFIREF reloaded with enhancements
NEWS 12	FEB 25	IMSPRODUCT reloaded with enhancements
NEWS 13	FEB 29	WPINDEX/WPIDS/WPIX enhanced with ECLA and current U.S. National Patent Classification
NEWS 14	MAR 31	IFICDB, IFIPAT, and IFIUDB enhanced with new custom IPC display formats
NEWS 15	MAR 31	CAS REGISTRY enhanced with additional experimental spectra
NEWS 16	MAR 31	CA/CAplus and CASREACT patent number format for U.S. applications updated
NEWS 17	MAR 31	LPCI now available as a replacement to LDPCI
NEWS 18	MAR 31	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS 19	APR 04	STN AnaVist, Version 1, to be discontinued

NEWS EXPRESS FEBRUARY 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 20 FEBRUARY 2008

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

* * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 13:21:30 ON 09 APR 2008

=>
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THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE
Do you want to switch to the Registry File?
Choice (Y/n):
Switching to the Registry File...
Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

```
=> FILE REGISTRY

COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     0.21       0.21

FILE 'REGISTRY' ENTERED AT 13:21:45 ON 09 APR 2008
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:    8 APR 2008  HIGHEST RN 1012980-81-2
DICTIONARY FILE UPDATES:   8 APR 2008  HIGHEST RN 1012980-81-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

->
Uploading C:\Program Files\STNEXP\Queries\10537315\10537315.str
```

```
ring nodes :
1  2  3  4  5  6  7  8  9
ring bonds :
1-2  1-5  2-3  2-8  3-4  3-6  4-5  6-7  7-9  8-9
exact/norm bonds :
1-2  1-5  2-3  2-8  3-4  3-6  4-5  6-7  7-9  8-9

Gl:Cd,Co,Cr,Fe,Ga,Ge,In,Ir,Mn,Mo,Nb,Ni,Pb,Pd,Pt,Rh,Ru,Sb,Sc,Sn

Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:Atom  8:Atom  9:Atom



L1      STRUCTURE UPLOADED

=> file registry
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     0.46       0.67
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USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2008 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:    8 APR 2008  HIGHEST RN 1012980-81-2
DICTIONARY FILE UPDATES:   8 APR 2008  HIGHEST RN 1012980-81-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=> s l1 sss sam
SAMPLE SEARCH INITIATED 13:22:02 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -       71 TO ITERATE

100.0% PROCESSED       71 ITERATIONS                                43 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:          915 TO     1925
PROJECTED ANSWERS:             467 TO     1253

L2           43 SEA SSS SAM L1

=> d scan l2

L2   43 ANSWERS   REGISTRY  COPYRIGHT 2008 ACS on STN
IN   Cobalt, bis[2,4-dihydro-5-methyl-4-(1-oxopentyl)-2-phenyl-3H-pyrazol-3-
     onato-O,O']-, dihydrate (9CI)
MF   C30 H34 Co N4 O4 . 2 H2 O
CI   CCS
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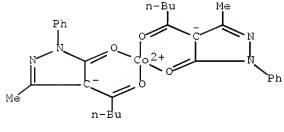


●2 H_2O

```
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):end

=> s l2 sss full
FULL SEARCH INITIATED 13:22:34 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      1439 TO ITERATE
```

100.0% PROCESSED 1439 ITERATIONS 910 ANSWERS
SEARCH TIME: 00.00.01

L3 910 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 178.36 179.03

FILE 'CAPLUS' ENTERED AT 13:22:38 ON 09 APR 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 9 Apr 2008 VOL 148 ISS 15
FILE LAST UPDATED: 8 Apr 2008 (20080408/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

```
=> s l3
L4          228 L3

=> s l4 and py<=2002
      22929778 PY<=2002
L5          181 L4 AND PY<=2002

=> s l5 and electrolumin?
         80337 ELECTROLUMIN?
L6            0 L5 AND ELECTROLUMIN?

=> s l5 and lumin?
        325242 LUMIN?
L7            0 L5 AND LUMIN?

=> s l5 and fluorescent
        182592 FLUORESCENT
            48 FLUORESCENTS
        182607 FLUORESCENT
                 (FLUORESCENT OR FLUORESCENTS)
L8            0 L5 AND FLUORESCENT

=> s l3 and dev/rl
           228 L3
        790747 DEV/RL
L9            8 L3 AND DEV/RL

=> d scan l9

L9    8 ANSWERS   CAPLUS  COPYRIGHT 2008 ACS on STN
CC    73-11 (Optical, Electron, and Mass Spectroscopy and Other Related
      Properties)
      Section cross-reference(s): 76
TI    Electroluminescent device fabrication by spin coating electroluminescent
      organometallic complexes on coated substrates
ST    electroluminescent device fabrication organometallic complex spin coating
      precoated substrate
IT    Electroluminescent devices
      Semiconductor device fabrication
         (electroluminescent device fabrication by spin coating
         electroluminescent organometallic complexes on coated substrates)
```

```
IT   Poly(arylenealkenylenes)
     Poly(arylenealkylenes)
     Polyanilines
     Polysilanes
     Rare earth alloys
     Rare earth metals, uses
     Transition metal alloys
     Transition metals, uses
     RL: DEV (Device component use); PEP (Physical, engineering or
     chemical process); PYP (Physical process); PROC (Process); USES (Uses)
        (electroluminescent device fabrication by spin coating
        electroluminescent organometallic complexes on coated substrates)
IT   Conducting polymers
        (polythiophenes; electroluminescent device fabrication by spin coating
        electroluminescent organometallic complexes on coated substrates)
IT   Coating process
        (spin; electroluminescent device fabrication by spin coating
        electroluminescent organometallic complexes on coated substrates)
IT   Aluminum alloy, nonbase
     Barium alloy, nonbase
     Calcium alloy, nonbase
     Lithium alloy, nonbase
     RL: PEP (Physical, engineering or chemical process); TEM (Technical or
     engineered material use); PROC (Process); USES (Uses)
        (electroluminescent device fabrication by spin coating
        electroluminescent organometallic complexes on coated substrates)
IT   86-73-7D, 9H-Fluorene, derivs.   159-66-0D, 9,9'-Spirobi[9H-fluorene],
     derivs.   193-09-9   905-62-4   1217-45-4, 9,10-Dicyanoanthracene
     2085-33-8, Tris(8-hydroxyquinolinato)aluminum   4733-39-5, Bathocuproin
     5521-31-3D, derivs.   7429-90-5, Aluminum, uses   7439-93-2, Lithium, uses
     7439-95-4, Magnesium, uses   7440-03-1D, Niobium, compds.   7440-04-2D,
     Osmium, compds.   7440-05-3D, Palladium, compds.   7440-06-4D, Platinum,
     compds.   7440-16-6D, Rhodium, compds.   7440-18-8D, Ruthenium, compds.
     7440-25-7D, Tantalum, compds.   7440-32-6D, Titanium, compds.   7440-39-3,
     Barium, uses   7440-58-6D, Hafnium, compds.   7440-62-2D, Vanadium,
     compds.   7440-70-2, Calcium, uses   7789-24-4, Lithium fluoride, uses
     15082-28-7   17595-05-0   19414-67-6   23467-27-8   25067-59-8,
     Poly(vinylcarbazole)   25135-15-3D, derivs.   25233-30-1, Polyaniline
     25387-93-3   26009-24-5, Poly(p-phenylenevinylene)-   31366-25-3D, derivs.
     37271-44-6   58280-31-2   58328-31-7, CBP   58328-31-7D, derivs.
     65181-78-4, N,N'-Diphenyl-N,N'-bis(3-methylphenyl)-1,1'-biphenyl-4,4'-
     diamine   66946-48-3D, derivs.   95270-88-5D, derivs.   98038-22-3,
     Aniline-m-sulfanilic acid copolymer   121220-44-8, o-Ethylaniline-o-
     toluidine copolymer   123847-85-8   124729-98-2   126415-16-5,
     Aniline-o-anisidine copolymer   126415-18-7, o-Aminophenol-aniline
     copolymer   126415-20-1, o-Aminophenol-o-toluidine copolymer
     126415-22-3, o-Phenylenediamine-o-toluidine copolymer   135804-06-7
     138372-67-5   142289-08-5D, derivs.   146162-54-1   148044-16-0
     148896-39-3   150405-69-9   157755-87-8   203642-12-0D, derivs.
     214341-85-2D, derivs.   221655-80-7   300576-41-4   432042-07-4
     432042-08-5   474976-61-3   474976-62-4 447838-95-7
     861532-86-7D, [9,9'-Bianthracene]-10,10'-diamine, N-aryl derivs.
     863734-60-5   902119-35-1
     RL: DEV (Device component use); PEP (Physical, engineering or
     chemical process); PYP (Physical process); PROC (Process); USES (Uses)
        (electroluminescent device fabrication by spin coating
        electroluminescent organometallic complexes on coated substrates)
IT   50851-57-5
     RL: DEV (Device component use); MOA (Modifier or additive use);
     PEP (Physical, engineering or chemical process); PYP (Physical process);
     PROC (Process); USES (Uses)
        (polyethylene dioxythiophene doped with; electroluminescent device
        fabrication by spin coating electroluminescent organometallic complexes
        on coated substrates)
IT   126213-51-2, Poly(3,4-ethylenedioxythiophene)   163359-60-2
     RL: DEV (Device component use); PEP (Physical, engineering or
     chemical process); PYP (Physical process); PROC (Process); USES (Uses)
        (polystyrene sulfonate-doped; electroluminescent device fabrication by
        spin coating electroluminescent organometallic complexes on coated
        substrates)

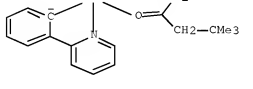
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):end

=> d l9 1-8 ibib hitstr
```

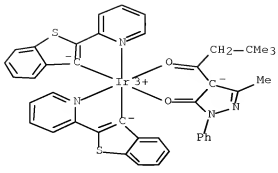
L9 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2006:734542 CAPLUS Full-text
DOCUMENT NUMBER: 145:198513
TITLE: Electroluminescent device fabrication by spin coating electroluminescent organometallic complexes on coated substrates
INVENTOR(S): Kathirgamanathan, Poopathy; Ganeshamurugan, Subramaniam; Price, Richard
PATENT ASSIGNEE(S): Oled-T Limited, UK
SOURCE: PCT Int. Appl., 51 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006077402	A1	20060727	WO 2006-GB169	20060119
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
EP 1839464	A1	20071003	EP 2006-702771	20060119
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR				
CN 101107884	A	20080116	CN 2006-80002852	20060119
IN 2007DN05397	A	20070817	IN 2007-DN5397	20070712
KR 2007102556	A	20071018	KR 2007-718852	20070817
PRIORITY APPLN. INFO.:			GB 2005-1426	A 20050122
			WO 2006-GB169	W 20060119

OTHER SOURCE(S): MARPAT 145:198513
IT 647838-95-7 863714-50-5
RL: DEV (Device component use); PEP (Physical, engineering or chemical process); PYP (Physical process); PROC (Process); USES (Uses)
(electroluminescent device fabrication by spin coating electroluminescent organometallic complexes on coated substrates)
RN 647838-95-7 CAPLUS
CN Iridium, [4-[3,3-dimethyl-1-(oxo-κO)butyl]-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3]bis[2-(2-pyridinyl-κN)phenyl-κC]- (CA INDEX NAME)



RN 863714-50-5 CAPLUS
CN Iridium, [4-[3,3-dimethyl-1-(oxo-κO)butyl]-2-phenyl-2,4-dihydro-5-methyl-3H-pyrazol-3-onato-κO3]bis[2-(2-pyridinyl-κN)benzo[b]thien-3-yl-κC]- (9CI) (CA INDEX NAME)



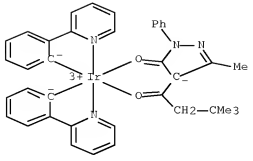
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2006:439982 CAPLUS Full-text
DOCUMENT NUMBER: 144:458233
TITLE: Electroluminescent devices with anode buffer layers
INVENTOR(S): Kathirgamanathan, Poopathy; Ganeshamurugan, Subramaniam; Kumaraverl, Muttulingham; Partheepan, Arumugam; Paramaswara, Gnanamoly
PATENT ASSIGNEE(S): Nuko 70 Limited, UK
SOURCE: PCT Int. Appl., 89 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006048635	A1	20060511	WO 2005-GB4222	20051101
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
EP 1812530	A1	20070801	EP 2005-800128	20051101
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR				

PRIORITY APPLN. INFO.: GB 2004-24294 A 20041103
WO 2005-GB4222 W 20051101

IT 647838-95-7
RL: DEV (Device component use); USES (Uses)
(electroluminescent devices with anode buffer layers)
RN 647838-95-7 CAPLUS
CN Iridium, [4-[3,3-dimethyl-1-(oxo-κO)butyl]-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3]bis[2-(2-pyridinyl-κN)phenyl-κC]- (CA INDEX NAME)

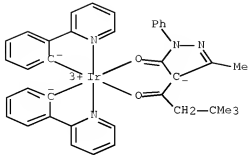


REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

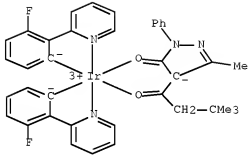
L9 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2005:962358 CAPLUS Full-text
DOCUMENT NUMBER: 143:275247
TITLE: Electroluminescent organometallic materials and their preparation and devices using them
INVENTOR(S): Kathirgamanathan, Poopathy; Price, Richard; Ganeshamurugan, Subramaniam; Paramaswara, Gnanamoly; Kumaraverl, Muttulingham; Partheepan, Arumugam; Selvaranjan, Selvadurai; Antipan-Lara, Juan; Surendrakumar, Sivagnanasundram
PATENT ASSIGNEE(S): Elam-T Limited, UK
SOURCE: PCT Int. Appl., 66 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005080526	A2	20050901	WO 2005-GB446	20050210
WO 2005080526	A3	20051103		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1723213	A2	20061122	EP 2005-708271	20050210
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR				
JP 2007524680	T	20070830	JP 2006-552679	20050210
KR 2007004719	A	20070109	KR 2006-718827	20060914
PRIORITY APPLN. INFO.:			GB 2004-3322 A	20040214
			WO 2005-GB446 W	20050210

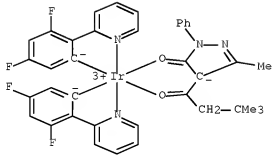
OTHER SOURCE(S): MARPAT 143:275247
IT 647838-95-7P 863714-47-0P 863714-48-1P 863714-49-2P 863714-50-5P
RL: DEV (Device component use); IMF (Industrial manufacture); PREP (Preparation); USES (Uses)
(electroluminescent organometallic materials and their preparation and devices using them)
RN 647838-95-7 CAPLUS
CN Iridium, [4-[3,3-dimethyl-1-(oxo-κO)butyl]-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3]bis[2-(2-pyridinyl-κN)phenyl-κC]- (CA INDEX NAME)



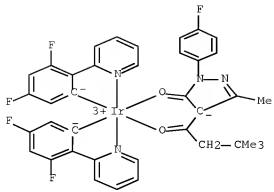
RN 863714-47-0 CAPLUS
CN Iridium, [4-[3,3-dimethyl-1-(oxo-κO)butyl]-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3]bis[3-fluoro-2-(2-pyridinyl-κN)phenyl-κC]- (CA INDEX NAME)



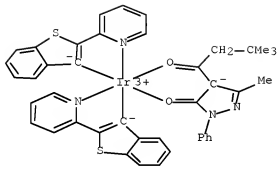
RN 863714-48-1 CAPLUS
CN Iridium, bis[3,5-difluoro-2-(2-pyridinyl-κN)phenyl-κC][4-[3,3-dimethyl-1-(oxo-κO)butyl]-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3]- (CA INDEX NAME)



RN 863714-49-2 CAPLUS
CN Iridium, bis[3,5-difluoro-2-(2-pyridinyl-κN)phenyl-κC][4-[3,3-dimethyl-1-(oxo-κO)butyl]-2-(4-fluorophenyl)-2,4-dihydro-5-methyl-3H-pyrazol-3-onato-κO3]- (CA INDEX NAME)



RN 863714-50-5 CAPLUS
CN Iridium, [4-[3,3-dimethyl-1-(oxo-κO)butyl]-2-phenyl-2,4-dihydro-5-methyl-3H-pyrazol-3-onato-κO3]bis[2-(2-pyridinyl-κN)benzo[b]thien-3-yl-κC]- (9CI) (CA INDEX NAME)

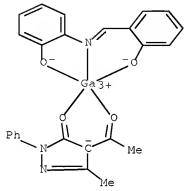


L9 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2005:391447 CAPLUS Full-text
DOCUMENT NUMBER: 143:295279
TITLE: Organic electroluminescent device and its manufacture
INVENTOR(S): Qiu, Yong; Qiao, Juan; Duan, Lian; Wang, Liduo
PATENT ASSIGNEE(S): Tsinghua University, Peop. Rep. China
SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 24 pp.
CODEN: CNXXEV
DOCUMENT TYPE: Patent
LANGUAGE: Chinese
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

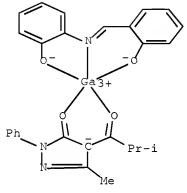
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 1436028	A	20030813	CN 2002-145923	20021023
US 20040001970	A1	20040101	US 2003-352493	20030128
US 7232616	B2	20070619		
JP 2004162002	A	20040610	JP 2003-168569	20030613
JP 3689815	B2	20050831		
PRIORITY APPLN. INFO.:			CN 2002-121289	A 20020613
			CN 2002-145923	A 20021023

OTHER SOURCE(S): MARPAT 143:295279
IT 864363-66-6, 864363-67-7, 864363-68-8
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(organic electroluminescent device and its manufacture)
RN 864363-66-6 CAPLUS
CN Gallium, [4-(acetyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-

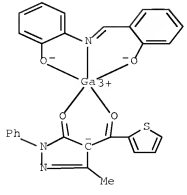
onato-κO3][2-[[[2-(hydroxy-κO)phenyl]imino-
κN]methyl]phenolato(2-)-κO]- (9CI) (CA INDEX NAME)



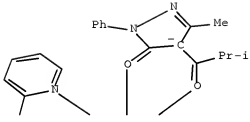
RN 864363-67-7 CAPLUS
CN Gallium, [2,4-dihydro-5-methyl-4-[2-methyl-1-(oxo-κO)propyl]-2-
phenyl-3H-pyrazol-3-onato-κO3][2-[[[2-(hydroxy-κO)phenyl]imino-
κN]methyl]phenolato(2-)-κO]- (9CI) (CA INDEX NAME)

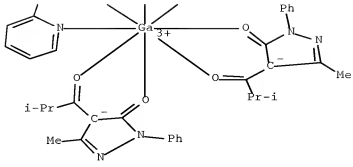


RN 864363-68-8 CAPLUS
CN Gallium, [2,4-dihydro-5-methyl-2-phenyl-4-(2-thienylcarbonyl-κO)-3H-
pyrazol-3-onato-κO3][2-[[[2-(hydroxy-κO)phenyl]imino-
κN]methyl]phenolato(2-)-κO]- (9CI) (CA INDEX NAME)



L9 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2004:1128122 CAPLUS Full-text
DOCUMENT NUMBER: 143:395889
TITLE: Electroluminescence from exciplex on the interface between TPD and La(PMIP)3(Bipy)
AUTHOR(S): Gao, De-qing; Bian, Zu-qiang; Huang, Yan-yi; Huang, Chun-hui; Ibrahim, K.; Liu, Feng-qin
CORPORATE SOURCE: State Key Laboratory of Rare Earth Materials Chemistry and Applications, PeKing University, Beijing, 100871, Peop. Rep. China
SOURCE: Chemical Research in Chinese Universities (2004), 20(6), 790-794
CODEN: CRCUED; ISSN: 1005-9040
PUBLISHER: Higher Education Press
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 866940-70-7
RL: DEV (Device component use); USES (Uses)
(electroluminescence from exciplex on interface between TPD and La(PMIP)3(Bipy))
RN 866940-70-7 CAPLUS
CN Gadolinium, (2,2'-bipyridine-κN1,κN1')tris[2,4-dihydro-5-methyl-4-[2-methyl-1-(oxo-κO)propyl]-2-phenyl-3H-pyrazol-3-onato-κO3]- (9CI) (CA INDEX NAME)



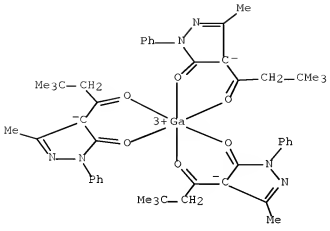


REFERENCE COUNT: 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

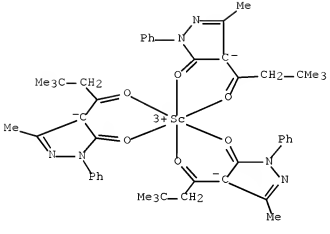
L9 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2004:493812 CAPLUS Full-text
DOCUMENT NUMBER: 141:61840
TITLE: Electroluminescent materials and devices based on metal complexes of 1-phenyl-3-methyl-4-trimethylacetyl-pyrazol-5-one
INVENTOR(S): Kathirgamanathan, Poopathy; Surendrakumar, Sivagnanasundram; Gemmell, Patrick; Ganeshamurugan, Subramaniam; Kumaraverl, Muttulingham; Partheepan, Arumugam; Suresh, Sutheralingam; Selvaranjan, Selvadurai
PATENT ASSIGNEE(S): Elam-T Limited, UK
SOURCE: PCT Int. Appl., 59 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004050793	A1	20040617	WO 2003-GB5303	20031205
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003285591	A1	20040623	AU 2003-285591	20031205
EP 1567612	A1	20050831	EP 2003-778590	20031205
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2006509008	T	20060316	JP 2004-556546	20031205
US 20060035110	A1	20060216	US 2005-537315	20050822
PRIORITY APPLN. INFO.:			GB 2002-28335 A	20021205
			WO 2003-GB5303 W	20031205

OTHER SOURCE(S): MARPAT 141:61840
IT 709013-66-1P 709013-70-7P
RL: PEP (Physical, engineering or chemical process); PRP (Properties); PYP (Physical process); SPN (Synthetic preparation); PREP (Preparation); PROC (Process)
(electroluminescent materials and devices based on metal complexes of 1-Ph-3-Me-4-trimethylacetyl-pyrazol-5-one)
RN 709013-66-1 CAPLUS
CN Gallium, tris[4-[3,3-dimethyl-1-(oxo-κO)butyl]-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3]- (CA INDEX NAME)



RN 709013-70-7 CAPLUS
CN Scandium, tris[4-[3,3-dimethyl-1-(oxo-κO)butyl]-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3]- (CA INDEX NAME)



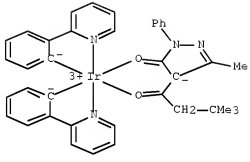
REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2004:60874 CAPLUS Full-text
DOCUMENT NUMBER: 140:114240
TITLE: Metal chelates in a photovoltaic device
INVENTOR(S): Kathirgamanathan, Poopathy; Antipan-Lara, Juan; Partheepan, Arumugam
PATENT ASSIGNEE(S): Elam-Limited, UK
SOURCE: PCT Int. Appl., 59 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

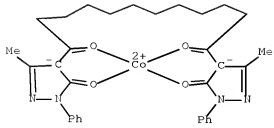
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004008554	A2	20040122	WO 2003-GB3035	20030714
WO 2004008554	A3	20041111		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
AU 2003281003 A1 20040202 AU 2003-281003 20030714
PRIORITY APPLN. INFO.: GB 2002-16154 A 20020712
WO 2003-GB3035 W 20030714

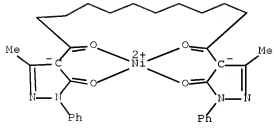
OTHER SOURCE(S): MARPAT 140:114240
IT 647838-95-7
RL: DEV (Device component use); USES (Uses)
(metal chelates in photovoltaic device)
RN 647838-95-7 CAPLUS
CN Iridium, [4-[3,3-dimethyl-1-(oxo-κO)butyl]-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3]bis[2-(2-pyridinyl-κN)phenyl-κC]- (CA INDEX NAME)



L9 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1995:365213 CAPLUS Full-text
DOCUMENT NUMBER: 122:199430
TITLE: Electrochemical reduction of 1,10-bis(1-phenyl-3-methyl-5-hydroxy-4-pyrazolyl)-1,10-decanedione. Characterization of its electrogenerated mononuclear CoII, NiII and CuII complexes. ESR properties of CoII and CuII complexes
AUTHOR(S): Louati, Alain; Kuncaka, Agus; Gross, Maurice; Haubtmann, Catherine; Bernard, Maxime; Andre, Jean-Jacques; Brunette, Jean-Pierre
CORPORATE SOURCE: Laboratoire d'Electrochimie et de Chimie Physique du Corps Solide, URA au CNRS no. 405, Universite Louis Pasteur, 4 rue Blaise Pascal, Strasbourg, F-67000, Fr.
SOURCE: Journal of Organometallic Chemistry (1995), 486(1-2), 95-104
CODEN: JORCAI; ISSN: 0022-328X
PUBLISHER: Elsevier
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 161747-87-1P 161747-88-2P
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(electrochem. preparation and spectra of)
RN 161747-87-1 CAPLUS
CN Cobalt, [1,12-bis(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)-1,12-dodecanedionato(2-)-O,O',O'',O''']- (9CI) (CA INDEX NAME)



RN 161747-88-2 CAPLUS
CN Nickel, [1,12-bis(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)-1,12-dodecanedionato(2-)-O,O',O'',O''']-, (SP-4-2)- (9CI) (CA INDEX NAME)



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     FILE 'REGISTRY' ENTERED AT 13:21:57 ON 09 APR 2008
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L3           910 S L2 SSS FULL

     FILE 'CAPLUS' ENTERED AT 13:22:38 ON 09 APR 2008
L4           228 S L3
L5           181 S L4 AND PY<=2002
L6             0 S L5 AND ELECTROLUMIN?
L7             0 S L5 AND LUMIN?
L8             0 S L5 AND FLUORESCENT
L9             8 S L3 AND DEV/RL

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L10          180 L5 NOT L9

=> s l10 and gallium
         326129 GALLIUM
             19 GALLIUMS
         326129 GALLIUM
                (GALLIUM OR GALLIUMS)
L11            4 L10 AND GALLIUM

=> d l11 1-4 ibib hitstr

L11  ANSWER 1 OF 4  CAPLUS  COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:         1995:658462  CAPLUS  Full-text
DOCUMENT NUMBER:          123:101329
TITLE:                    Thermal decompositions of complexes of Al, Ga, In, Cr,
                          Fe and Bi ions with 1-phenyl-3-methyl-4-benzoyl-5-
                          pyrazolone
AUTHOR(S):                Akama, Y.; Yajima, S.
```
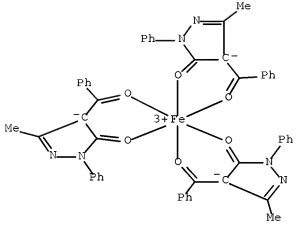
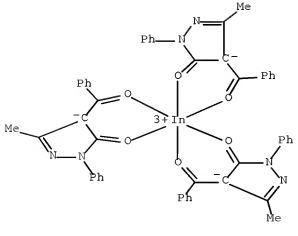

CORPORATE SOURCE: Dep. Chem., Meisei Univ., Tokyo, 191, Japan
SOURCE: Journal of Thermal Analysis (1993), 44(5), 1107-12
CODEN: JTHEA9; ISSN: 0368-4466
PUBLISHER: Akademiai Kiado
DOCUMENT TYPE: Journal
LANGUAGE: English

IT [illegible], Tris(1-phenyl-3-methyl-4-benzoyl-5-pyrazolonato)iron
[illegible], Tris(1-phenyl-3-methyl-4-benzoyl-5-pyrazolonato)indium 70612-64-6P, Tris(1-phenyl-3-methyl-4-benzoyl-5-pyrazolonato)gallium 78008-01-2P, Tris(1-phenyl-3-methyl-4-benzoyl-5-pyrazolonato)chromium
RL: PEP (Physical, engineering or chemical process); SPN (Synthetic preparation); PREP (Preparation); PROC (Process)
(preparation and thermal decomposition of)

RN 23836-94-4 CAPLUS
CN Iron, tris(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-O,O')- (9CI) (CA INDEX NAME)

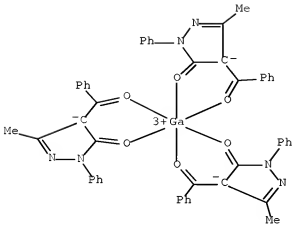


RN 24324-44-5 CAPLUS
CN Indium, tris(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-O,O')- (9CI) (CA INDEX NAME)

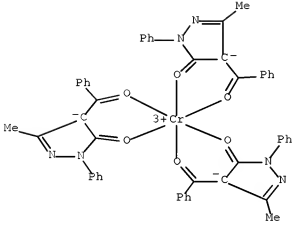


RN 70612-65-6 CAPLUS
CN Gallium, tris(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-

O,O')- (9CI) (CA INDEX NAME)

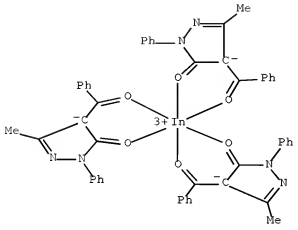


RN 78608-01-2 CAPLUS
CN Chromium, tris[4-(benzoyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3]- (CA INDEX NAME)

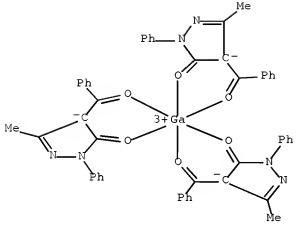


L11 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1992:419436 CAPLUS Full-text
DOCUMENT NUMBER: 117:19436
TITLE: High performance liquid chromatographic determination of aluminum, gallium, and indium in the form of their PMBP chelates with acetonitrile containing sodium chloride as mobile phase
AUTHOR(S): Tong, Aijun; Akama, Yoshifumi
CORPORATE SOURCE: Fac. Sci. Eng., Meisei Univ., Hino, 191, Japan
SOURCE: Nippon Kaisui Gakkaishi (1992), 46(1), 37-41
CODEN: NKAGBU; ISSN: 0369-4550
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 24324-44-5, 5P 78612-65-6P
RL: PREP (Preparation)
(preparation of, in reversed HPLC metal determination)
RN 24324-44-5 CAPLUS

CN Indium, tris(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-O,O')- (9CI) (CA INDEX NAME)



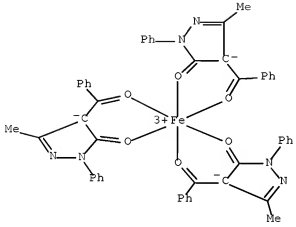
RN 70612-65-6 CAPLUS
CN Gallium, tris(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-O,O')- (9CI) (CA INDEX NAME)



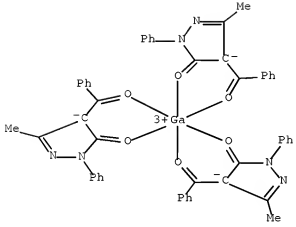
L11 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER:	1988:413919 CAPLUS Full-text
DOCUMENT NUMBER:	109:13919
ORIGINAL REFERENCE NO.:	109:2310h,2311a
TITLE:	Spectral studies of heterocyclic β-diketonates of actinide, lanthanide, and transition metals
AUTHOR(S):	Morales, P.; Nekimken, H.; Bartholdi, C. S.; Cunningham, P. T.
CORPORATE SOURCE:	Anal. Chem. Group, Los Alamos Natl. Lab., Los Alamos, NM, 87545, USA
SOURCE:	Spectrochimica Acta, Part A: Molecular and Biomolecular Spectroscopy (1986), 44A(2), 165-9 CODEN: SAMCAS; ISSN: 0584-8539
DOCUMENT TYPE:	Journal
LANGUAGE:	English

IT [illegible]
RL: PRP (Properties)
(electronic absorption spectrum of)
RN 23836-94-4 CAPLUS
CN Iron, tris(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-O,O')- (9CI) (CA INDEX NAME)

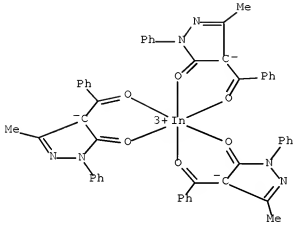


RN 70612-65-6 CAPLUS
CN Gallium, tris(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-O,O')- (9CI) (CA INDEX NAME)

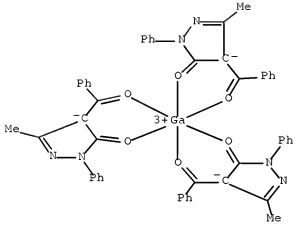


L11 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1979:432222 CAPLUS Full-text
DOCUMENT NUMBER: 91:32222
ORIGINAL REFERENCE NO.: 91:5143a,5146a
TITLE: Studies on extraction of copper(2+), gallium (3+), indium(3+) and thallium(3+) with 1-phenyl-3-methyl-4-benzoylpyrazol-5-one. Separation and spectrophotometric determination of copper and gallium
AUTHOR(S): Mirza, M. Y.
CORPORATE SOURCE: Dep. Chem., Univ. Nigeria, Nsukka, Nigeria
SOURCE: Talanta (1978), 25(11-12), 685-9
CODEN: TLNTA2; ISSN: 0039-9140

DOCUMENT TYPE: Journal
LANGUAGE: English
IT 24324-44-5P 70612-65-6P
RL: PREP (Preparation)
(preparation of)
RN 24324-44-5 CAPLUS
CN Indium, tris(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-O,O')- (9CI) (CA INDEX NAME)



RN 70612-65-6 CAPLUS
CN Gallium, tris(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-O,O')- (9CI) (CA INDEX NAME)



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L3 910 S L2 SSS FULL

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     FILE 'CAPLUS' ENTERED AT 13:22:38 ON 09 APR 2008
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L5           181 S L4 AND PY<=2002
L6             0 S L5 AND ELECTROLUMIN?
L7             0 S L5 AND LUMIN?
L8             0 S L5 AND FLUORESCENT
L9             8 S L3 AND DEV/RL
L10          180 S L5 NOT L9
L11            4 S L10 AND GALLIUM

=> s l10 and calcium
        858652 CALCIUM
            38 CALCIUMS
        858656 CALCIUM
                (CALCIUM OR CALCIUMS)
L12            7 L10 AND CALCIUM

=> d l12 1-7 ibib hitstr

L12  ANSWER 1 OF 7  CAPLUS  COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:         2001:453057  CAPLUS  Full-text
DOCUMENT NUMBER:          135:61243
TITLE:                    Synthesis, use and herbicidal activity of chroman and
                          thiochroman metal chelates
INVENTOR(S):              Haley, Gregory J.; Dexter, Robin W.; Szucs, Stephen
                          S.; Rajamoorthi, Kannan
PATENT ASSIGNEE(S):       BASF Corporation, USA; Basf Aktiengesellschaft;
                          Idemitsu Kosan Co., Ltd.
SOURCE:                   PCT Int. Appl., 39 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
     ----------          ----   --------    -------------------    --------
     WO 2001044236        A1    20010621    WO 2000-EP11946        20001129 <--
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
             HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
             LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
             SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU,
             ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
             DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
             BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
PRIORITY APPLN. INFO.:                       US 1999-453102      A  19991202
OTHER SOURCE(S):          MARPAT 135:61243
IT   [illegible]
     RL: AGR (Agricultural use); BAC (Biological activity or effector, except
     adverse); BSU (Biological study, unclassified); SPN (Synthetic
     preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
        (synthesis, use and herbicidal activity of chroman and thiochroman
        metal chelates)
RN   345666-88-8  CAPLUS
CN   Iron, tris[4-[[3,4-dihydro-4-(methoxyimino)-5-methyl-1,1-dioxido-2H-1-
     benzothiopyran-6-yl]carbonyl-κO]-2-ethyl-2,4-dihydro-3H-pyrazol-3-
     onato-κO3]-  (CA INDEX NAME)
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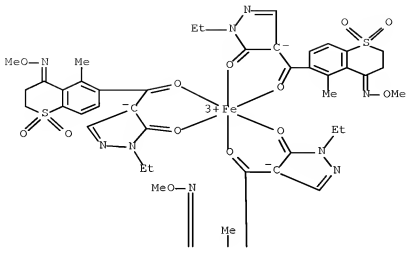
PAGE 1-A



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RN 345666-91-3 CAPLUS
CN Iron, tris[4-[(2,3-dihydro-3,3,4-trimethyl-1,1-dioxidobenzo[b]thien-5-yl)carbonyl-κO]-2,4-dihydro-2-methyl-3H-pyrazol-3-onato-κO3]-, (OC-6-11)- (CA INDEX NAME)

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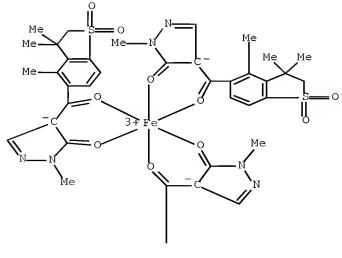
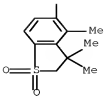


PAGE 2-A



RN 345666-94-6 CAPLUS
CN Iron, tris[4-[(2,3-dihydro-3,3,4,7-tetramethyl-1,1-dioxidobenzo[b]thien-5-yl)carbonyl-κO]-2,4-dihydro-2-methyl-3H-pyrazol-3-onato-κO3]-
(CA INDEX NAME)

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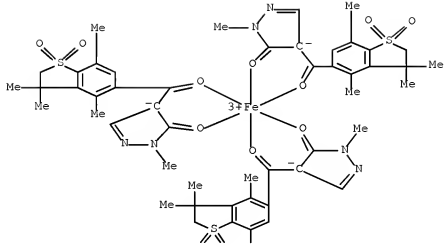
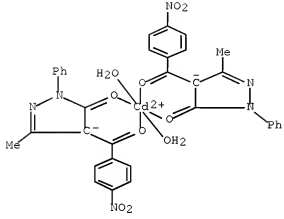


PAGE 2-A

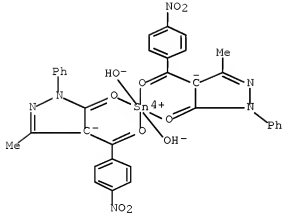
REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1998:539157 CAPLUS Full-text
DOCUMENT NUMBER: 129:269419
TITLE: Studies on the coordination complexes of cadmium(II), cadmium(II) and tin(IV) with p-nitrobenzoyl-5-oxo-pyrazole
AUTHOR(S): Ogweyobu, Martin O. C.; Maseka, Kakoma K.
CORPORATE SOURCE: Department of Chemistry, School of Technology, The Copperbelt University, Kitwe, Zambia
SOURCE: Bulletin of the Chemical Society of Ethiopia (1998), 12(1), 27-33

CODEN: BCETE6; ISSN: 1011-3924
PUBLISHER: Chemical Society of Ethiopia
DOCUMENT TYPE: Journal
LANGUAGE: English
IT [illegible]
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 213405-89-1 CAPLUS
CN Cadmium, diaquabis[2,4-dihydro-5-methyl-4-(4-nitrobenzoyl-κO)-2-phenyl-3H-pyrazol-3-onato-κO3]- (CA INDEX NAME)



RN 213405-90-4 CAPLUS
CN Tin, bis[2,4-dihydro-5-methyl-4-(4-nitrobenzoyl-κO)-2-phenyl-3H-pyrazol-3-onato-κO3]dihydroxy- (CA INDEX NAME)



REFERENCE COUNT: 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

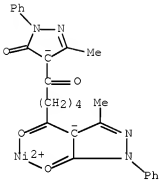
L12 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1998:146176 CAPLUS Full-text
DOCUMENT NUMBER: 128:200068
TITLE: Metal(II) complexes of 4-acylbis(pyrazolone-5): synthesis and spectroscopic studies
AUTHOR(S): Uzoukwu, B. A.; Gloe, K.; Duddeck, H.
CORPORATE SOURCE: Institut fur Anorganische Chemie, Technische Universitat Dresden, Dresden, Germany
SOURCE: Synthesis and Reactivity in Inorganic and

Metal-Organic Chemistry (1995), 28(2),
207-221
CODEN: SRIMCN; ISSN: 0094-5714
PUBLISHER: Marcel Dekker, Inc.
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 128:200068

IT 203716-80-7P 203716-81-8P 203716-84-1P
203716-85-2P 203716-89-6P
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(preparation and IR spectrum)

RN 203716-80-7 CAPLUS

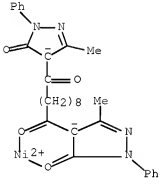
CN Nickel, [1-[4,5-dihydro-3-methyl-5-(oxo-κO)-1-phenyl-1H-pyrazol-4-yl]-6-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)-1,6-hexanedionato(2-)-κO1]-, dihydrate (9CI) (CA INDEX NAME)



●2 H2O

RN 203716-81-8 CAPLUS

CN Nickel, [1-[4,5-dihydro-3-methyl-5-(oxo-κO)-1-phenyl-1H-pyrazol-4-yl]-10-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)-1,10-decanedionato(2-)-κO1]-, dihydrate (9CI) (CA INDEX NAME)

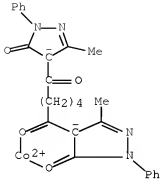


●2 H2O

RN 203716-84-1 CAPLUS

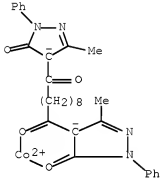
CN Cobalt, [1-[4,5-dihydro-3-methyl-5-(oxo-κO)-1-phenyl-1H-pyrazol-4-yl]-6-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)-1,6-

hexanedionato(2-)-κO1]-, dihydrate (9CI) (CA INDEX NAME)



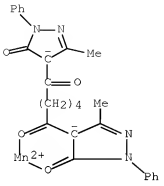
●2 H2O

RN 203716-85-2 CAPLUS
CN Cobalt, [1-[4,5-dihydro-3-methyl-5-(oxo-κO)-1-phenyl-1H-pyrazol-4-yl]-10-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)-1,10-decanedionato(2-)-κO1]-, dihydrate (9CI) (CA INDEX NAME)



●2 H2O

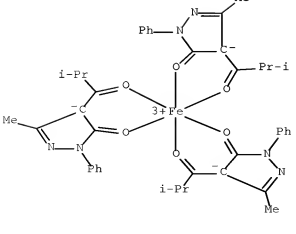
RN 203716-89-6 CAPLUS
CN Manganese, [1-[4,5-dihydro-3-methyl-5-(oxo-κO)-1-phenyl-1H-pyrazol-4-yl]-6-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)-1,6-hexanedionato(2-)-κO1]-, hydrate (2:3) (9CI) (CA INDEX NAME)



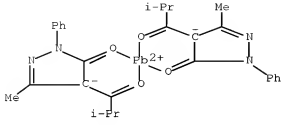
●3/2 H2O

REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

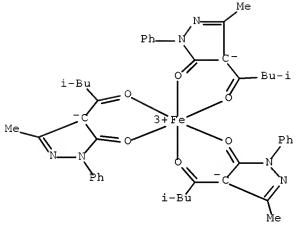
L12 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1993:419207 CAPLUS Full-text
DOCUMENT NUMBER: 119:19207
TITLE: Syntheses and characterization of 4-iso-butyryl and 4-iso-valeroyl derivatives of 1-phenyl-3-methyl-5-pyrazolone and their uranium (VI), thorium(IV), lanthanum(III), iron(III), lead(II) and cadmium(II) complexes
AUTHOR(S): Okafor, E. C.; Adiukwu, P. U.; Uzoukwu, B. A.
CORPORATE SOURCE: Dep. Pure Ind. Chem., Univ. Nigeria, Nsukka, Nigeria
SOURCE: Synthesis and Reactivity in Inorganic and Metal-Organic Chemistry (1993), 23(1), 97-111
CODEN: SRIMCN; ISSN: 0094-5714
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 147833-87-2P 147833-88-3P 147833-91-6P 147833-92-7P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 147833-87-2 CAPLUS
CN Iron, tris[2,4-dihydro-5-methyl-4-(2-methyl-1-oxopropyl)-2-phenyl-3H-pyrazol-3-onato-O,O']- (9CI) (CA INDEX NAME)



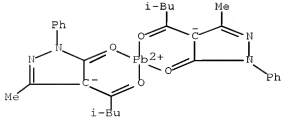
RN 147833-88-3 CAPLUS
CN Lead, bis[2,4-dihydro-5-methyl-4-(2-methyl-1-oxopropyl)-2-phenyl-3H-pyrazol-3-onato-O,O']-, (T-4)- (9CI) (CA INDEX NAME)



RN 147833-91-8 CAPLUS
CN Iron, tris[2,4-dihydro-5-methyl-4-(3-methyl-1-oxobutyl)-2-phenyl-3H-pyrazol-3-onato-O,O']- (9CI) (CA INDEX NAME)



RN 147833-92-9 CAPLUS
CN Lead, bis[2,4-dihydro-5-methyl-4-(3-methyl-1-oxobutyl)-2-phenyl-3H-pyrazol-3-onato-O,O']-, (T-4)- (9CI) (CA INDEX NAME)



L12 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1991:573378 CAPLUS Full-text
DOCUMENT NUMBER: 115:173378
TITLE: Introducing a new bis(β-diketone): syntheses,

	UV-visible, IR, proton and carbon-13 NMR spectral studies of 4-sebacoylbis(1-phenyl-3-methyl-5-pyrazolone) (H2PMSP) and its uranium(VI), iron(III) and calcium(II) complexes
AUTHOR(S):	Okafor, Emmanuel C.; Uzoukwu, Bieluonwu A.
CORPORATE SOURCE:	Dep. Pure Ind. Chem., Univ. Nigeria, Nsukka, Nigeria
SOURCE:	Synthesis and Reactivity in Inorganic and Metal-Organic Chemistry (1991), 21(5), 825-44 CODEN: SRIMCN; ISSN: 0094-5714
DOCUMENT TYPE:	Journal
LANGUAGE:	English
OTHER SOURCE(S):	CASREACT 115:173378

IT 136501-56-5P

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(preparation and electronic and IR spectra of)

RN 136501-36-5 CAPLUS

CN Iron, [μ-[1,10-bis(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)-1,10-decanedionato(2-)-O1,O1':O10,O10']]bis[1,10-bis(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)-1,10-decanedionato(2-)-O1,O1']di- (9CI) (CA INDEX NAME)

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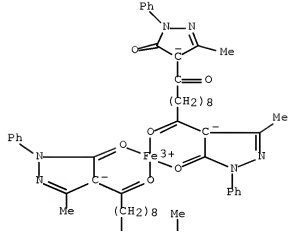

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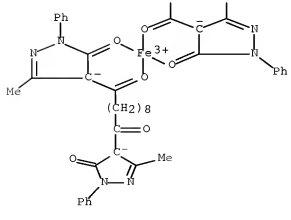
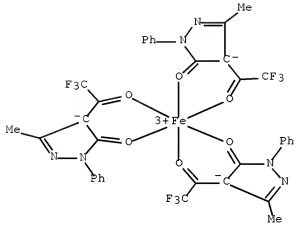
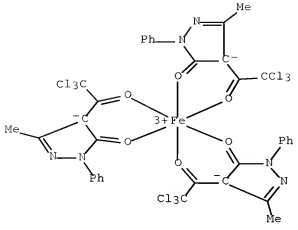


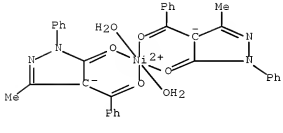
L12 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1991:440680 CAPLUS Full-text
DOCUMENT NUMBER: 115:40680
TITLE: Physicochemical studies of 4-trifluoroacetyl and 4-trichloroacetyl derivatives of 3-methyl-1-phenylpyrazol-5-one and their uranium(VI), iron(III) and calcium(II) complexes
AUTHOR(S): Uzoukwu, Bieluonwu Augustus
CORPORATE SOURCE: Dep. Pure Ind. Chem., Univ. Port Harcourt, Port Harcourt, Nigeria
SOURCE: Indian Journal of Chemistry, Section A: Inorganic, Bio-inorganic, Physical, Theoretical & Analytical Chemistry (1991), 30A(4), 372-4
CODEN: ICACEC; ISSN: 0376-4710
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 77259-28-0P 134588-65-1P
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(preparation and IR spectrum of)
RN 77259-28-0 CAPLUS
CN Iron, tris[2,4-dihydro-5-methyl-2-phenyl-4-(trifluoroacetyl)-3H-pyrazol-3-onato-O,O']- (9CI) (CA INDEX NAME)



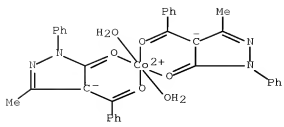
RN 134588-65-1 CAPLUS
CN Iron, tris[2,4-dihydro-5-methyl-2-phenyl-4-(trichloroacetyl)-3H-pyrazol-3-onato-O,O']- (9CI) (CA INDEX NAME)



L12 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1987:130644 CAPLUS Full-text
DOCUMENT NUMBER: 106:130644
ORIGINAL REFERENCE NO.: 106:21149a,21152a
TITLE: New azomethine and tetradentate Schiff base complexes of transition metals containing heterocyclic β-diketones as ligands
AUTHOR(S): Patel, B. V.; Thaker, B. T.
CORPORATE SOURCE: Dep. Chem., South Gujarat Univ., Surat, 395007, India
SOURCE: Synthesis and Reactivity in Inorganic and Metal-Organic Chemistry (1986), 16(9), 1319-35
CODEN: SRIMCN; ISSN: 0094-5714
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 31524-27-3P 78618-20-9P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reaction of, with ammonia or diamines)
RN 31524-27-3 CAPLUS
CN Nickel, diaquabis(4-benzoyl-2,4-dihydro-5-methyl-1-phenyl-3H-pyrazol-3-onato-O,O')- (9CI) (CA INDEX NAME)



RN 78618-20-9 CAPLUS
CN Cobalt, diaquabis(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-O,O')- (9CI) (CA INDEX NAME)



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     (FILE 'HOME' ENTERED AT 13:21:30 ON 09 APR 2008)

     FILE 'REGISTRY' ENTERED AT 13:21:45 ON 09 APR 2008
L1             STRUCTURE UPLOADED

     FILE 'REGISTRY' ENTERED AT 13:21:57 ON 09 APR 2008
L2            43 S L1 SSS SAM
L3           910 S L2 SSS FULL

     FILE 'CAPLUS' ENTERED AT 13:22:38 ON 09 APR 2008
L4           228 S L3
L5           181 S L4 AND PY<=2002
L6             0 S L5 AND ELECTROLUMIN?
L7             0 S L5 AND LUMIN?
L8             0 S L5 AND FLUORESCENT
L9             8 S L3 AND DEV/RL
L10          180 S L5 NOT L9
L11            4 S L10 AND GALLIUM
L12            7 S L10 AND CALCIUM

=> s l10 not (L11 or l12)
L13        169 L10 NOT (L11 OR L12)

=> s l13 and luminescence
         203098 LUMINESCENCE
            473 LUMINESCENCES
         203150 LUMINESCENCE
                (LUMINESCENCE OR LUMINESCENCES)
L14            0 L13 AND LUMINESCENCE

=> s l13 and pyridine
         223548 PYRIDINE
          16093 PYRIDINES
         228241 PYRIDINE
                (PYRIDINE OR PYRIDINES)
L15            5 L13 AND PYRIDINE

=> d scan l15

L15   5 ANSWERS   CAPLUS  COPYRIGHT 2008 ACS on STN
CC    68-2 (Phase Equilibriums, Chemical Equilibriums, and Solutions)
TI    Coordination abilities of some heterocyclic N-bases and N-oxides towards
      bis(1-phenyl-3-methyl-4-benzoyl-5-pyrazolonato)cobalt(II)
ST    bisphenylmethylbenzoylpyrazolonato cobalt complex; pyridine
      bisphenylmethylbenzoylpyrazolonato cobalt complex; oxide pyridine
      bisphenylmethylbenzoylpyrazolonato cobalt complex
IT    41162-66-7 41162-67-8 41162-68-9
      41162-69-0 41164-70-3 41183-84-6
      41183-85-7 41183-86-8 41183-87-9
      41183-88-0 41183-89-1
      RL: PRP (Properties)
         (formation constant of)

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L15   5 ANSWERS   CAPLUS  COPYRIGHT 2008 ACS on STN
```

CC 78-7 (Inorganic Chemicals and Reactions)
Section cross-reference(s): 67
TI Thermal and spectral studies of some mixed ligand complexes of cobalt(II), nickel(II) and copper(II) involving aliphatic and heterocyclic β-diketone
ST thermolysis diketonato benzoylpyrazolinonato complex; kinetics thermolysis diketonato benzoypyrazolinonato complex; transition metal diketonato benzoylpyrazolinonato; pyrazolinonato benzoyl transition metal diketonato; cobalt diketonato benzoylpyrazolinonato; copper diketonato benzoylpyrazolinato; nickel diketonato benzoylpyrazolinonato
IT Ultraviolet and visible spectra
(of transition metal β-diketonato complexes with and without pyridine)
IT Kinetics of thermal decomposition
Thermal decomposition
(of transition metal β-diketonato complexes with and without pyridine in air)
IT Transition metals, compounds
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(β-diketone complexes, preparation and thermal decomposition of)
IT 117051-24-6P 117051-25-9P 117051-27-1P
117051-28-2P 117074-93-8P 117101-14-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and substitution reaction with pyridine and thermal decomposition of, in air)
IT 117051-26-0P 117067-21-7P 117074-94-9P 117074-95-0P
117074-96-1P 117074-97-2P 117074-98-3P
117074-99-4P 117075-00-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and thermal decomposition of, in air)

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L15 5 ANSWERS CAPLUS COPYRIGHT 2008 ACS on STN
CC 28-8 (Heterocyclic Compounds (More Than One Hetero Atom))
Section cross-reference(s): 56
TI Observations of 1-phenyl-3-methyl-4-trifluoroacetyl-5-pyrazolone. A promising extracting agent
ST fluoroacetylpyrazolone metal extractant; pyrazolone metal extractant
IT Metals, preparation
RL: PREP (Preparation)
(extraction of, trifluoroacetylpyrazolone as agent for)
IT Extraction
(of metals, trifluoroacetylpyrazolone as agent for)
IT Melting point
Solubility
(of trifluoroacetylpyrazolone metal complexes)
IT Tautomerism and Tautomers
(of trifluoroacetylpyrazolones)
IT 64598-44-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(metal extracting agent, preparation, tautomerism, and phys. properties of)
IT 77259-32-6
RL: PRP (Properties)
(phys. properties of)
IT 407-25-0
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with methylphenylpyrazolone)
IT 89-25-8
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with trifluoroacetic anhydride)
IT 77259-28-0 77259-29-1 77259-30-4
77259-31-5 77273-41-7 81714-06-9 81714-07-0
81714-08-1 81714-09-2 81714-13-8 81714-15-0
81999-83-9 81999-84-0 81999-88-4
RL: RCT (Reactant); RACT (Reactant or reagent)
(solubility and phys. properties of)

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L15 5 ANSWERS CAPLUS COPYRIGHT 2008 ACS on STN

```
CC   68 (Phase Equilibriums, Chemical Equilibriums, and Solutions)
TI   Extraction-spectrophotometric study of mixed complexes of
     β-diketonates of nickel with amines
ST   nickel complex; thenoyltrifluoroacetone nickel complex; pyrazolone nickel
     complex
IT   Partition
        (of nickel, between aqueous solns. and diketones)
IT   102-69-2D, Tripropylamine, nickel complexes   108-89-4D, 4-Picoline,
     nickel complexes   108-99-6D, 3-Picoline, nickel complexes   110-86-1D,
     Pyridine, nickel complexes   110-89-4D, Piperidine, nickel
     complexes   143-16-8D, Dihexylamine, nickel complexes   326-91-0D,
     1,3-Butanedione, 4,4,4-trifluoro-1-(2-thienyl)-, nickel complexes
     4551-69-3D, 2-Pyrazolin-5-one, 4-benzoyl-3-methyl-1-phenyl-, nickel
     complexes   14837-31-1   23653-53-4   23836-69-3   30383-81-4   31524-19-3
     31524-25-9 31524-26-0 31524-25-1
     31524-27-3   31606-84-5
     RL: PRP (Properties); FORM (Formation, nonpreparative)
        (formation consts. of, extraction in relation to)
IT   326-91-0   4551-69-3
     RL: PRP (Properties)
        (partition of nickel between aqueous solution and, in presence of amines)
IT   102-69-2   108-89-4   108-99-6   110-86-1, properties   110-89-4,
     properties   143-16-8
     RL: PRP (Properties)
        (partition of nickel between aqueous solution and, in presence of diketones)
IT   7440-02-0, properties
     RL: PRP (Properties)
        (partition of, between aqueous solution and diketones in presence of amines)

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L15   5 ANSWERS   CAPLUS  COPYRIGHT 2008 ACS on STN
CC   78-7 (Inorganic Chemicals and Reactions)
TI   Synthesis and characterization of chromium(III) mixed ligand complexes
     containing β-diketone
ST   chromium diketonato; pyrazole phenylmethylbenzoyldihydro chromium;
     benzoylmethylphenyldihydropyrazole chromium; crystal field parameter
     chromium diketonato
IT   Infrared spectra
        (of chromium complexes with β-diketones)
IT   Ketones, compounds
     RL: SPN (Synthetic preparation); PREP (Preparation)
        (1,3-di-, chromium complexes, preparation, crystal field parameters and IR
        spectra of)
IT   Energy level splitting
        (crystal-field, of chromium complexes with β-diketones or
        benzoylmethylphenyldihydropyrazole)
IT   10170-68-0, Trichlorotris(tetrahydrofuran)chromium
     RL: PRP (Properties)
        (crystal field parameter of)
IT   78406-61-2P
     RL: SPN (Synthetic preparation); PREP (Preparation)
        (preparation and crystal field parameter of)
IT   15604-10-1P   109743-67-1P   109743-68-2P   109743-69-3P   109743-70-6P
     RL: SPN (Synthetic preparation); PREP (Preparation)
        (preparation, crystal field parameter and IR spectrum of)
IT   109750-81-4P
     RL: SPN (Synthetic preparation); PREP (Preparation)
        (preparation, crystal field parameter and thermal decomposition of)
IT   14284-76-5, Trichlorotris(pyridine)chromium
     RL: RCT (Reactant); RACT (Reactant or reagent)
        (reaction of, with β-diketone)

ALL ANSWERS HAVE BEEN SCANNED


=> end
ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF
LOGOFF? (Y)/N/HOLD:n

=> s l13 and ligand
        341002 LIGAND
        232209 LIGANDS
        464031 LIGAND
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                (LIGAND OR LIGANDS)
L16         63 L13 AND LIGAND

=> s l13 and ?pyridine
        339248 ?PYRIDINE
L17         11 L13 AND ?PYRIDINE

=> s l17 not l15
L18          6 L17 NOT L15

=> d scan l18

L18   6 ANSWERS   CAPLUS  COPYRIGHT 2008 ACS on STN
CC    78-7 (Inorganic Chemicals and Reactions)
TI    Synthesis, characterization and reactivity of coordination compounds of
      Group 12 metals containing the N2-donor ligand bis(3,4,5-trimethylpyrazol-
      1-yl)methane
ST    Group IIB pyrazolylmethane prepn substitution
IT    Group IIB element compounds
      RL: PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); PREP
      (Preparation); RACT (Reactant or reagent)
         (bis(trimethylpyrazolyl)methane complexes; preparation and substitution
         reactions and IR spectra of)
IT    Infrared spectra
         (of Group IIB metal bis(trimethylpyrazolyl)methane complexes)
IT    4551-69-3
      RL: RCT (Reactant); RACT (Reactant or reagent)
         (for preparation of Group IIB metal complexes)
IT    28791-83-5P, Bis(3,4,5-trimethylpyrazol-1-yl)methane
      RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
      (Reactant or reagent)
         (for preparation of Group IIB metal complexes)
IT    670-95-1, 4-Phenylimidazole
      RL: RCT (Reactant); RACT (Reactant or reagent)
         (for preparation of cadmium phenylimidazole complex)
IT    81-07-2
      RL: RCT (Reactant); RACT (Reactant or reagent)
         (for preparation of mercury bis(trimethylpyrazolyl)methane saccharinato
         complex)
IT    616-47-7, 1-Methylimidazole
      RL: RCT (Reactant); RACT (Reactant or reagent)
         (for preparation of zinc methylimidazole complex)
IT    163232-76-6P   163232-77-7P   163232-78-8P   163232-80-2P   163232-81-3P
      163232-82-4P
      RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
         (preparation and IR spectrum of)
IT    163232-73-3P   163232-74-4P   163232-75-5P
      RL: PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); PREP
      (Preparation); RACT (Reactant or reagent)
         (preparation and substitution reactions and IR spectrum of)
IT    163232-84-6P   163232-85-7P
      RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
      (Reactant or reagent)
         (preparation and substitution reactions of)
IT    14324-78-8P, (2,2'-Bipyridine)dibromozinc   14491-36-2P, (2,2'-
      Bipyridine)dichlorozinc   23570-24-3P, Dichlorobis(1-
      methylimidazole)zinc   163232-86-8P   163232-87-9P   163232-89-1P
      163232-90-4P   163232-91-5P   163232-92-6P   163232-93-7P   163232-94-8P
      163232-95-9P   163232-96-0P   163232-98-2P   163232-99-3P   163233-00-9P
      163233-01-0P   163233-02-1P   163233-03-2P, Dibromobis(4-
      phenylimidazole)cadmium
      RL: SPN (Synthetic preparation); PREP (Preparation)
         (preparation of)

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):end

=> d l18 1-6 ibib hitstr

L18  ANSWER 1 OF 6  CAPLUS  COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:         2002:379057  CAPLUS  Full-text
DOCUMENT NUMBER:          137:263145
TITLE:                    The reactivity of new (1,5-cyclooctadiene)rhodium
                          acylpyrazolonates towards N- and P-donor ligands:
                          X-ray structures of [Rh(1,5-COD)Qs],
                          [Rh(1,5-COD)(phen)]Qs·0.5H2O (HQs =
```

1-phenyl-3-methyl-4-(2-thenoyl)-pyrazol-5-one) and [Rh(1,5-COD)Br]2

AUTHOR(S): Pettinari, Claudio; Marchetti, Fabio; Cingolani, Augusto; Bianchini, Gianluca; Drozdov, Andrei; Vertlib, Vyacheslav; Troyanov, Sergei

CORPORATE SOURCE: Dipartimento di Scienze Chimiche, Universita degli Studi, Camerino MC, 62032, Italy

SOURCE: Journal of Organometallic Chemistry (2002), 651(1-2), 5-14
CODEN: JORCAI; ISSN: 0022-328X

PUBLISHER: Elsevier Science B.V.

DOCUMENT TYPE: Journal

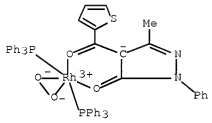
LANGUAGE: English

OTHER SOURCE(S): CASREACT 137:263145

IT 463975-79-3P 463975-80-6P 463975-81-7P
463975-82-8P 463975-84-0P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

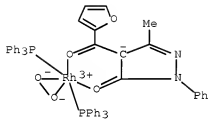
RN 463975-79-3 CAPLUS

CN Rhodium, [2,4-dihydro-5-methyl-2-phenyl-4-(2-thienylcarbonyl-κO)-3H-pyrazol-3-onato-κO3]peroxybis(triphenylphosphine)- (9CI) (CA INDEX NAME)



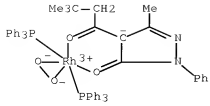
RN 463975-80-6 CAPLUS

CN Rhodium, [4-(2-furanylcarbonyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3]peroxybis(triphenylphosphine)- (9CI) (CA INDEX NAME)

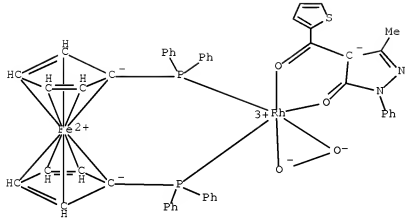


RN 463975-81-7 CAPLUS

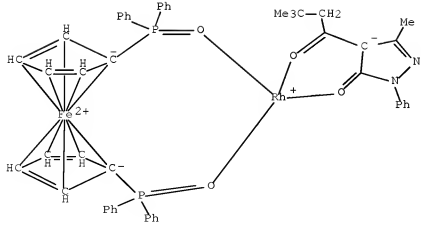
CN Rhodium, [4-[3,3-dimethyl-1-(oxo-κO)butyl]-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3]peroxybis(triphenylphosphine)- (9CI) (CA INDEX NAME)



RN 463975-82-8 CAPLUS
CN Rhodium, [1,2'-bis(diphenylphosphino-κP)ferrocene][2,4-dihydro-5-methyl-2-phenyl-4-(2-thienylcarbonyl-κO)-3H-pyrazol-3-onato-κO3]peroxy- (9CI) (CA INDEX NAME)



RN 463975-84-0 CAPLUS
CN Rhodium, [1,2'-bis(diphenylphosphinyl-κO)ferrocene][4-[3,3-dimethyl-1-(oxo-κO)butyl]-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3]-, (SP-4-3)- (9CI) (CA INDEX NAME)



IT 414772-14-9P 463975-78-2P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation, coordinative substitution reaction with nitrogen and phosphorus donor ligands, and oxidation in presence of phosphines)
RN 444772-14-9 CAPLUS
CN Rhodium, [(1,2,5,6-η)-1,5-cyclooctadiene][4-(2-furanylcarbonyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3]- (CA INDEX NAME)

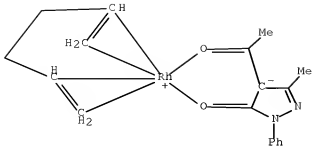
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 463975-73-7 CAPLUS
CN Rhodium, [(1,2,5,6-η)-1,5-cyclooctadiene][4-[3,3-dimethyl-1-(oxo-κO)butyl]-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3]- (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
IT 444772-13-8
RL: PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation, coordinative substitution reaction with nitrogen and phosphorus donor ligands, oxidation in presence of phosphines, and crystal structure of)
RN 444772-13-8 CAPLUS
CN Rhodium, [(1,2,5,6-η)-1,5-cyclooctadiene][2,4-dihydro-5-methyl-2-phenyl-4-(2-thienylcarbonyl-κO)-3H-pyrazol-3-onato-κO3]- (CA INDEX NAME)

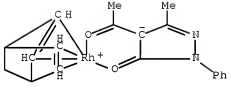
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
REFERENCE COUNT: 79 THERE ARE 79 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L18 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1998:567941 CAPLUS Full-text
DOCUMENT NUMBER: 129:316354
TITLE: (1-Phenyl-3-methyl-4-acetylpyrazolon-5-ato)rhodium(I) complexes, synthesis, structural and spectroscopical characterization: Reactivity of diolefin- and dicarbonyl-rhodium complexes toward N-, P- and O-donors
AUTHOR(S): Pettinari, C.; Accorroni, F.; Cingolani, A.; Marchetti, F.; Cassetta, A.; Barba, L.
CORPORATE SOURCE: Dipartimento di Scienze Chimiche, Universita di Camerino, Camerino, I-62032, Italy
SOURCE: Journal of Organometallic Chemistry (1998), 566(1-2), 187-201
CODEN: JORCAI; ISSN: 0022-328X
PUBLISHER: Elsevier Science S.A.
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 214747-44-1P
RL: PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(crystal structure; preparation, structural, and spectroscopical characterization of acetylpyrazolonato rhodium complex and reactivity of diolefin- and dicarbonyl-rhodium complexes toward nitrogen-, phosphorus- and oxygen-donors)
RN 214747-44-1 CAPLUS
CN Rhodium, [4-(acetyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3][(1,2,5,6-η)-1,5-cyclooctadiene]- (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
IT 214747-45-2P 214747-46-3P 214747-50-9P 214747-51-0P 214747-52-1P 214747-53-2P 214747-56-5P 214747-57-6P 214747-58-7P 214747-59-8P 214747-60-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 214747-45-2 CAPLUS
CN Rhodium, [4-(acetyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3][(1,2,5,6-η)-1,5-hexadiene]- (CA INDEX NAME)

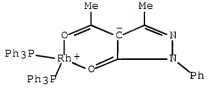


RN 214747-46-3 CAPLUS
CN Rhodium, [4-(acetyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3][(2,3,5,6-η)-bicyclo[2.2.1]hepta-2,5-diene]- (CA INDEX NAME)

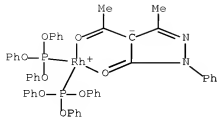


RN 214747-50-9 CAPLUS
CN Rhodium, [4-(acetyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3][(1,2,5,6-η)-1,5-cyclooctadiene][phenyl(2-pyridinyl-κN)methanone]- (CA INDEX NAME)

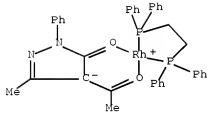
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 214747-51-0 CAPLUS
CN Rhodium, [4-(acetyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3]bis(triphenylphosphine)-, (SP-4-3)- (CA INDEX NAME)



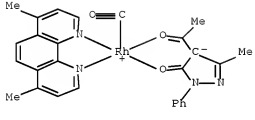
RN 214747-52-1 CAPLUS
CN Rhodium, [4-(acetyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3]bis(triphenyl phosphite-κP)-, (SP-4-3)- (9CI) (CA INDEX NAME)



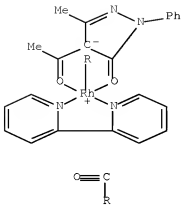
RN 214747-53-2 CAPLUS
CN Rhodium, [4-(acetyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3][1,2-ethanediylbis[diphenylphosphine-κP]]-, (SP-4-3)- (9CI) (CA INDEX NAME)



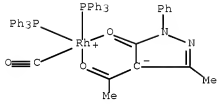
RN 214747-56-5 CAPLUS
CN Rhodium, [4-(acetyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3]carbonyl(4,7-dimethyl-1,10-phenanthroline-κN1,κN10)-, (SP-5-43)- (CA INDEX NAME)



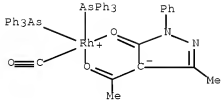
RN 214747-57-6 CAPLUS
CN Rhodium, [4-(acetyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3](2,2'-bipyridine-κN1,κN1')carbonyl-, (SP-5-43)- (CA INDEX NAME)



RN 214747-58-7 CAPLUS
CN Rhodium, [4-(acetyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3]carbonylbis(triphenylphosphine)-, (SP-5-43)- (CA INDEX NAME)



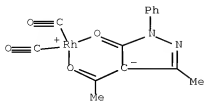
RN 214747-59-8 CAPLUS
CN Rhodium, [4-(acetyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3]carbonylbis(triphenylarsine)-, (SP-5-43)- (CA INDEX NAME)



RN 214747-60-1 CAPLUS
CN Rhodium, [4-(acetyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3][(1,2,5,6-η)-1,3,5,7-cyclooctatetraene]- (9CI) (CA INDEX NAME)

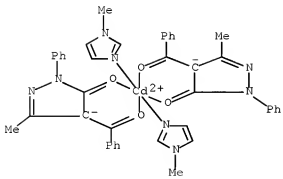
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
IT 214747-43-2
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation, structural, and spectroscopical characterization of acetylpyrazolonato rhodium complex and reactivity of diolefin- and dicarbonyl-rhodium complexes toward nitrogen-, phosphorus- and oxygen-donors)
RN 214747-55-4 CAPLUS

CN Rhodium, [4-(acetyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3]dicarbonyl-, (SP-4-3)- (CA INDEX NAME)

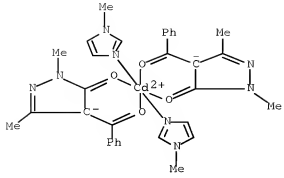


REFERENCE COUNT: 77 THERE ARE 77 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

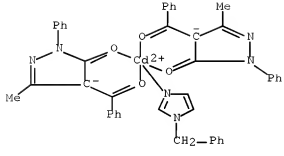
L18 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1998:378395 CAPLUS Full-text
DOCUMENT NUMBER: 129:117038
TITLE: Ligation properties of N-substituted imidazoles: synthesis, spectroscopic and structural investigation, and behavior in solution of zinc(II) and cadmium(II) complexes
AUTHOR(S): Pettinari, C.; Marchetti, F.; Cingolani, A.; Troyanov, S. I.; Drozdov, A.
CORPORATE SOURCE: Dipartimento di Scienze Chimiche, Universita degli Studi, Camerino, 62032, Italy
SOURCE: Polyhedron (1998), 17(10), 1677-1691
CODEN: PLYHDE; ISSN: 0277-5387
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 209805-63-0P 209805-64-1P 209805-79-8P 209805-80-1P 209805-81-2P
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(preparation and IR and NMR spectra)
RN 209805-63-0 CAPLUS
CN Cadmium, bis[4-(benzoyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3]bis(1-methyl-1H-imidazole-κN3)-, (OC-6-12)- (CA INDEX NAME)



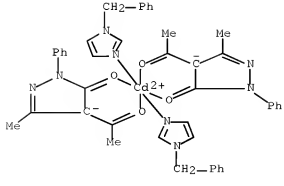
RN 209805-64-1 CAPLUS
CN Cadmium, bis[4-(benzoyl-κO)-2,4-dihydro-2,5-dimethyl-3H-pyrazol-3-onato-κO3]bis(1-methyl-1H-imidazole-κN3)-, (OC-6-12)- (CA INDEX NAME)



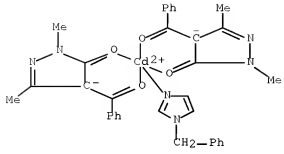
RN 209805-79-8 CAPLUS
CN Cadmium, bis[4-(benzoyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3][1-(phenylmethyl)-1H-imidazole-κN3]- (CA INDEX NAME)



RN 209805-80-1 CAPLUS
CN Cadmium, bis[4-(acetyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3]bis[1-(phenylmethyl)-1H-imidazole-κN3]-, (OC-6-12)- (CA INDEX NAME)

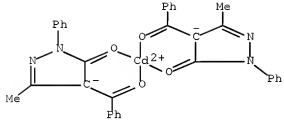


RN 209805-81-2 CAPLUS
CN Cadmium, bis[4-(benzoyl-κO)-2,4-dihydro-2,5-dimethyl-3H-pyrazol-3-onato-κO3][1-(phenylmethyl)-1H-imidazole-κN3]- (CA INDEX NAME)



REFERENCE COUNT: 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

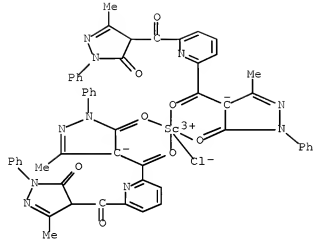
L18 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1995:519463 CAPLUS Full-text
DOCUMENT NUMBER: 122:305246
TITLE: Synthesis, characterization and reactivity of coordination compounds of Group 12 metals containing the N2-donor ligand bis(3,4,5-trimethylpyrazol-1-yl)methane
AUTHOR(S): Pettinari, C.; Lobbia, G. Gioia; Lorenzotti, A.; Cingolani, A.
CORPORATE SOURCE: Dip. Sci. Chim., Univ. delgi Stud., Camerino, 62032, Italy
SOURCE: Polyhedron (1995), 14(6), 793-803
CODEN: PLYHDE; ISSN: 0277-5387
PUBLISHER: Elsevier
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 163233-01-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 163233-02-1 CAPLUS
CN Cadmium, bis(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-O,O')-, monohydrate, (T-4)- (9CI) (CA INDEX NAME)



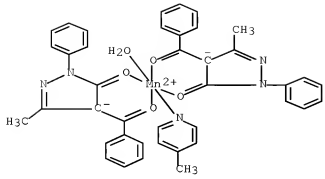
● H_2O

L18 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1995:329242 CAPLUS Full-text
DOCUMENT NUMBER: 122:176941
TITLE: Studies on the characteristics of rare earth solid complexes and extraction compounds with PDCBP
AUTHOR(S): Zhou, Henghui; Wang, Yingwei; Tong, Jue
CORPORATE SOURCE: Dep. Chem., Xiangtan Univ., Xiangtan, 411105, Peop. Rep. China
SOURCE: Xiangtan Daxue Ziran Kexue Xuebao (1994),

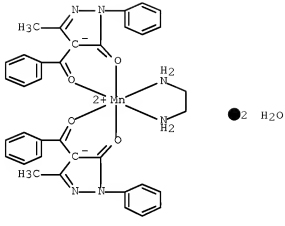
16(3), 54-7, 71
CODEN: XDZXEW; ISSN: 1000-5900
PUBLISHER: Xiangtan Daxue
DOCUMENT TYPE: Journal
LANGUAGE: Chinese
IT 161529-77-7, RP
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of)
RN 161529-77-7 CAPLUS
CN Scandium, chlorobis[[4,4'-(2,6-pyridinediyldicarbonyl)bis[2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato]](1-)-O3,O4]- (9CI) (CA INDEX NAME)



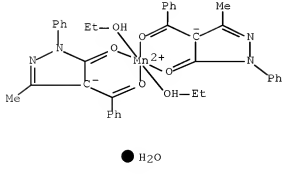
L18 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1990:525269 CAPLUS Full-text
DOCUMENT NUMBER: 113:125269
TITLE: Synthesis and spectral studies of Mn(PMBP)2 adducts
AUTHOR(S): Zhuge, Xiemei; Chen, Ke; Chen, Yan; Feng, Yafei; Chen, Jimin; Xu, Yuanzhi
CORPORATE SOURCE: Dep. Chem., Zhejiang Univ., Hangzhou, 310027, Peop. Rep. China
SOURCE: Yingyong Huaxue (1990), 7(2), 6-9
CODEN: YIHUED; ISSN: 1000-0518
DOCUMENT TYPE: Journal
LANGUAGE: Chinese
IT 129198-12-5P 129198-13-6P 129213-60-9P 129320-42-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and IR and ESR spectra of)
RN 129198-12-5 CAPLUS
CN Manganese, aquabis(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-O,O')(4-methylpyridine)- (9CI) (CA INDEX NAME)



RN 129198-13-6 CAPLUS
CN Manganese, bis(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-O,O')(1,2-ethanediamine-N,N')-, dihydrate (9CI) (CA INDEX NAME)



RN 129219-60-9 CAPLUS
CN Manganese, bis(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-O,O')bis(ethanol)-, monohydrate (9CI) (CA INDEX NAME)

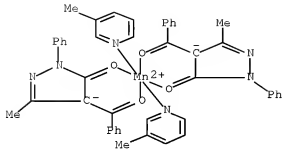


RN 129219-62-1 CAPLUS
CN Manganese, bis(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-O,O')bis(3-methylpyridine)-, compd. with ethanol (1:1) (9CI) (CA INDEX

NAME)

CM 1

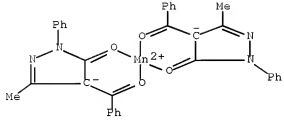
CRN 129219-61-0
CMF C66 H40 Mn N6 O4
CCI CCS



CM 2

CRN 64-17-5
CMF C2 H6 O

IT 81714-12-7
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with ethanol or methylpyridine or ethylenediamine)
RN 81714-12-7 CAPLUS
CN Manganese, bis(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-O,O')- (9CI) (CA INDEX NAME)



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COST IN U.S. DOLLARS SINCE FILE ENTRY 136.27 TOTAL SESSION 315.30
FULL ESTIMATED COST

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DICTIONARY FILE UPDATES: 8 APR 2008 HIGHEST RN 1012980-81-2

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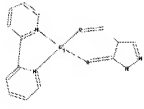

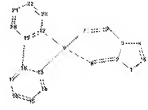

ring nodes :
1 2 3 4 5 6 7 8 9 12 13 14 15 16 17 18 19 20 21 22 23
ring bonds :
1-2 1-5 2-3 2-8 3-4 3-6 4-5 6-7 7-9 8-9 9-12 9-13 12-19 12-23 13-14
13-18 14-15 15-16 16-17 17-18 18-19 19-20 20-21 21-22 22-23
exact/norm bonds :
1-2 1-5 2-3 2-8 3-4 3-6 4-5 6-7 7-9 8-9 9-12 9-13 18-19
normalized bonds :
12-19 12-23 13-14 13-18 14-15 15-16 16-17 17-18 19-20 20-21 21-22 22-23

G1:Cd,Co,Cr,Fe,Ga,Ge,In,Ir,Mn,Mo,Nb,Ni,Pb,Pd,Pt,Rh,Ru,Sb,Sc,Sn

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 12:Atom
13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 21:Atom 22:Atom 23:Atom

L19   STRUCTURE UPLOADED

-> s l19 sss sam
SAMPLE SEARCH INITIATED 13:47:36 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   10 TO ITERATE

100.0% PROCESSED   10 ITERATIONS   1 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

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                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:           11 TO      389
PROJECTED ANSWERS:               1 TO       80

L20           1 SEA SSS SAM L19

=> s l19 sss full
FULL SEARCH INITIATED 13:47:42 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      156 TO ITERATE

100.0% PROCESSED      156 ITERATIONS                          15 ANSWERS
SEARCH TIME: 00.00.01

L21          15 SEA SSS FUL L19

=> file caplus
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY    SESSION
FULL ESTIMATED COST                             178.82     494.12

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FILE LAST UPDATED: 8 Apr 2008  (20080408/ED)

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=> s l21
L22           6 L21

=> d l22 1-6 ibib hitstr

L22  ANSWER 1 OF 6  CAPLUS  COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:         2004:1128122  CAPLUS  Full-text
DOCUMENT NUMBER:          143:395889
TITLE:                    Electroluminescence from exciplex on the interface
                          between TPD and La(PMIP)3(Bipy)
AUTHOR(S):                Gao, De-qing; Bian, Zu-qiang; Huang, Yan-yi; Huang,
                          Chun-hui; Ibrahim, K.; Liu, Feng-qin
CORPORATE SOURCE:         State Key Laboratory of Rare Earth Materials Chemistry
                          and Applications, Peking University, Beijing, 100871,
                          Peop. Rep. China
SOURCE:                   Chemical Research in Chinese Universities (2004),
                          20(6), 790-794
                          CODEN: CRCUED; ISSN: 1005-9040
PUBLISHER:                Higher Education Press
DOCUMENT TYPE:            Journal
LANGUAGE:                 English
IT    866940-70-7
      RL: DEV (Device component use); USES (Uses)
          (electroluminescence from exciplex on interface between TPD and
          La(PMIP)3(Bipy))
RN    866940-70-7  CAPLUS
CN    Gadolinium, (2,2'-bipyridine-κN1,κN1')tris[2,4-dihydro-5-
      methyl-4-[2-methyl-1-(oxo-κO)propyl]-2-phenyl-3H-pyrazol-3-onato-
      κO3]- (9CI)  (CA INDEX NAME)
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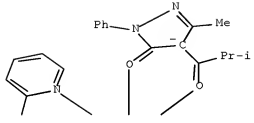
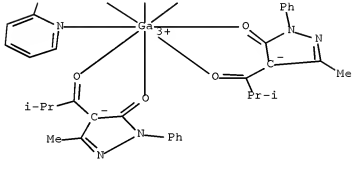


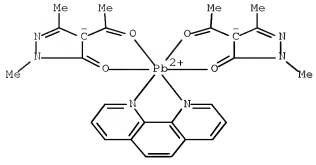


REFERENCE COUNT: 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L22 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN

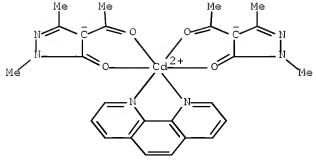
ACCESSION NUMBER: 2004:793465 CAPLUS Full-text
DOCUMENT NUMBER: 142:231769
TITLE: Tin(II) and lead(II) 4-acyl-5-pyrazolonates: Synthesis, spectroscopic and X-ray structural characterization
AUTHOR(S): Pettinari, Claudio; Marchetti, Fabio; Pettinari, Riccardo; Cingolani, Augusto; Rivarola, Eleonora; Phillips, Christine; Tanski, Joseph; Rossi, Miriam; Caruso, Francesco
CORPORATE SOURCE: Dipartimento di Scienze Chimiche, Universita di Camerino, Camerino, 62032, Italy
SOURCE: European Journal of Inorganic Chemistry (2004), (17), 3484-3497
CODEN: EJICFO; ISSN: 1434-1948
PUBLISHER: Wiley-VCH Verlag GmbH & Co. KGaA
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 142:231769
IT 842122-67-2
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation) (preparation and crystal structure of)
RN 842122-67-2 CAPLUS

CN Lead, bis[4-(acetyl-κO)-2,4-dihydro-2,5-dimethyl-3H-pyrazol-3-onato-κO3](1,10-phenanthroline-κN1,κN10)- (CA INDEX NAME)

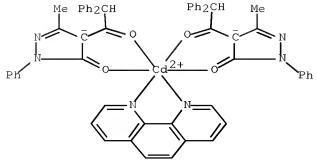


REFERENCE COUNT: 70 THERE ARE 70 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

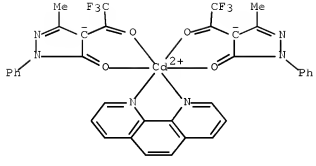
L22 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2001:494506 CAPLUS Full-text
DOCUMENT NUMBER: 135:250842
TITLE: Zinc and cadmium derivatives containing several 4-acyl-5-pyrazolonate donors and additional ancillary ligands
AUTHOR(S): Marchetti, Fabio
CORPORATE SOURCE: Dipartimento di Scienze Chimiche, Universita degli Studi di Camerino, Camerino, 62032, Italy
SOURCE: Main Group Metal Chemistry (2001), 24(5), 257-266
CODEN: MGMCE8; ISSN: 0792-1241
PUBLISHER: Freund Publishing House Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 135:250842
IT 359888-29-2P 359888-30-5P 359888-31-6P
359888-37-0P 359888-38-1P 359888-38-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 359888-29-2 CAPLUS
CN Cadmium, bis[4-(acetyl-κO)-2,4-dihydro-2,5-dimethyl-3H-pyrazol-3-onato-κO3](1,10-phenanthroline-κN1,κN10)- (CA INDEX NAME)



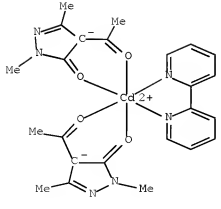
RN 359888-30-5 CAPLUS
CN Cadmium, bis[4-(diphenylacetyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3](1,10-phenanthroline-κN1,κN10)- (9CI) (CA INDEX NAME)



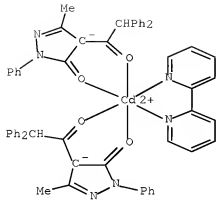
RN 359888-31-6 CAPLUS
CN Cadmium, bis[2,4-dihydro-5-methyl-2-phenyl-4-(trifluoroacetyl-κO)-3H-pyrazol-3-onato-κO3](1,10-phenanthroline-κN1,κN10)-(9CI) (CA INDEX NAME)



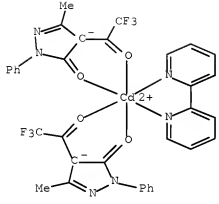
RN 359888-35-0 CAPLUS
CN Cadmium, bis[4-(acetyl-κO)-2,4-dihydro-2,5-dimethyl-3H-pyrazol-3-onato-κO3](2,2'-bipyridine-κN1,κN1')- (CA INDEX NAME)



RN 359888-36-1 CAPLUS
CN Cadmium, (2,2'-bipyridine-κN1,κN1')bis[4-(diphenylacetyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3]-(9CI) (CA INDEX NAME)



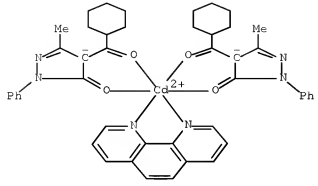
RN 359888-38-3 CAPLUS
CN Cadmium, (2,2'-bipyridine-κN1,κN1')bis[2,4-dihydro-5-methyl-2-phenyl-4-(trifluoroacetyl-κO)-3H-pyrazol-3-onato-κO3]- (9CI) (CA INDEX NAME)



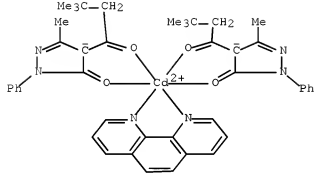
REFERENCE COUNT: 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L22 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2000:135928 CAPLUS Full-text
DOCUMENT NUMBER: 132:317195
TITLE: Novel bis(acylpyrazolonato)cadmium(II) derivatives and their reactivity toward aromatic and aliphatic NZ-donor ligands
AUTHOR(S): Pettinari, Claudio; Marchetti, Fabio; Cingolani, Augusto; Pettinari, Riccardo; Troyanov, Sergei I.; Drozdov, Andrei
CORPORATE SOURCE: Dipartimento di Scienze Chimiche, Universita degli Studi di Camerino, Camerino, 62032, Italy
SOURCE: Dalton (2000), (5), 831-836
CODEN: DALTFG; ISSN: 1470-479X
PUBLISHER: Royal Society of Chemistry
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 265321-51-5
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation) (preparation and crystal and mol. structure)
RN 265321-51-5 CAPLUS
CN Cadmium, bis[4-(cyclohexylcarbonyl-κO)-2,4-dihydro-5-methyl-2-phenyl-

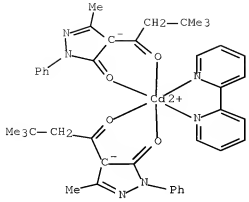
3H-pyrazol-3-onato-κO3](1,10-phenanthroline-κN1,κN10)-,
(OC-6-33)- (CA INDEX NAME)



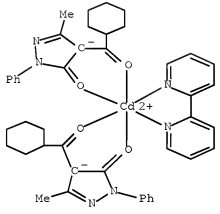
IT [illegible]
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 265321-50-4 CAPLUS
CN Cadmium, bis[4-[3,3-dimethyl-1-(oxo-κO)butyl]-2,4-dihydro-5-methyl-2-
phenyl-3H-pyrazol-3-onato-κO3](1,10-phenanthroline-
κN1,κN10)-, (OC-6-33)- (CA INDEX NAME)



RN 265321-52-6 CAPLUS
CN Cadmium, (2,2'-bipyridine-κN1,κN1')bis[4-[3,3-dimethyl-1-(oxo-
κO)butyl]-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-
κO3]-, (OC-6-33)- (CA INDEX NAME)



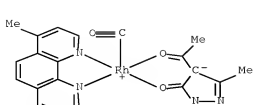
RN 265321-53-7 CAPLUS
CN Cadmium, (2,2'-bipyridine-κN1,κN1')bis[4-(cyclohexylcarbonyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3]-, (OC-6-33)- (CA INDEX NAME)



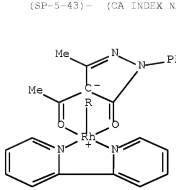
REFERENCE COUNT: 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L22 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1998:567941 CAPLUS Full-text
DOCUMENT NUMBER: 129:316354
TITLE: (1-Phenyl-3-methyl-4-acetylpyrazolon-5-ato)rhodium(I) complexes, synthesis, structural and spectroscopical characterization: Reactivity of diolefin- and dicarbonyl-rhodium complexes toward N-, P- and O-donors
AUTHOR(S): Pettinari, C.; Accorroni, F.; Cingolani, A.; Marchetti, F.; Cassetta, A.; Barba, L.
CORPORATE SOURCE: Dipartimento di Scienze Chimiche, Universita di Camerino, Camerino, I-62032, Italy
SOURCE: Journal of Organometallic Chemistry (1998), 566(1-2), 187-201
CODEN: JORCAI; ISSN: 0022-328X
PUBLISHER: Elsevier Science S.A.
DOCUMENT TYPE: Journal
LANGUAGE: English
IT [illegible]
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 214747-56-5 CAPLUS
CN Rhodium, [4-(acetyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3]carbonyl(4,7-dimethyl-1,10-phenanthroline-κN1,κN10)-, (SP-5-43)- (CA INDEX NAME)

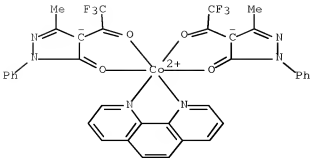


RN 214747-57-6 CAPLUS
CN Rhodium, [4-(acetyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3](2,2'-bipyridine-κN1,κN1')carbonyl-, (SP-5-43)- (CA INDEX NAME)



REFERENCE COUNT: 77 THERE ARE 77 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L22 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1989:545688 CAPLUS Full-text
DOCUMENT NUMBER: 111:145688
TITLE: Study on the synergistically extracted complex - synthesis, characterization and crystal structure of bis(1-phenyl-3-methyl-4-trifluoroacetylpyrazolone-5)mono(1,10-phenanthroline)cobalt(II)
AUTHOR(S): Wang, Kezhi; Huang, Chunhui; Weng, Shifu; Xu, Guangxian; Han, Yuzhen; He, Cunheng; Zheng, Qitai
CORPORATE SOURCE: Res. Cent. Rare Earth Chem., Peking Univ., Beijing, Peop. Rep. China
SOURCE: Wuli Huaxue Xuebao (1989), 5(1), 20-6
CODEN: WHXUEU; ISSN: 1000-6818
DOCUMENT TYPE: Journal
LANGUAGE: Chinese
IT 122645-05-0P
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(preparation and crystal structure of)
RN 122645-05-0 CAPLUS
CN Cobalt, bis[2,4-dihydro-5-methyl-2-phenyl-4-(trifluoroacetyl)-3H-pyrazol-3-onato-O,O']([1,10-phenanthroline-N1,N10)-, (OC-6-33)- (9CI) (CA INDEX NAME)



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COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
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FULL ESTIMATED COST                                    31.62      525.74

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12  13
ring nodes :
1  2  3  4  5  6  7  8  9
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chain bonds :
9-12  12-13
ring bonds :
1-2  1-5  2-3  2-8  3-4  3-6  4-5  6-7  7-9  8-9
exact/norm bonds :
1-2  1-5  2-3  2-8  3-4  3-6  4-5  6-7  7-9  8-9  9-12  12-13


G1:Cd,Co,Cr,Fe,Ga,Ge,In,Ir,Mn,Mo,Nb,Ni,Pb,Pd,Pt,Rh,Ru,Sb,Sc,Sn

Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:Atom  8:Atom  9:Atom  12:CLASS
13:CLASS



L23     STRUCTURE UPLOADED

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SAMPLE SEARCH INITIATED 13:59:23 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -       3 TO ITERATE

100.0% PROCESSED        3 ITERATIONS                                  0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:          3 TO       163
PROJECTED ANSWERS:             0 TO         0

L24           0 SEA SSS SAM L23

-> s l23 sss full
FULL SEARCH INITIATED 13:59:28 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -       83 TO ITERATE

100.0% PROCESSED       83 ITERATIONS                                 14 ANSWERS
SEARCH TIME: 00.00.01

L25          14 SEA SSS FUL L23

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COST IN U.S. DOLLARS                                  SINCE FILE      TOTAL
                                                         ENTRY     SESSION
FULL ESTIMATED COST                                     178.36      704.10

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FILE LAST UPDATED: 8 Apr 2008  (20080408/ED)

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=> s l25
L26           5 L25

=> d l26 1-5 ibib hitstr
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L26 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1991:641127 CAPLUS Full-text

DOCUMENT NUMBER: 115:241127

TITLE: Steric effects of polymethylene chain length on the liquid-liquid extraction of nickel(II) and zinc(II) with bis(4-acylpyrazol-5-one) derivatives in the presence or absence of tri-n-octylphosphine oxide

AUTHOR(S): Miyazaki, Shoji; Mukai, Hiroshi; Umetani, Shigeo; Kihara, Sorin; Matsui, Masakazu

CORPORATE SOURCE: Inst. Chem. Res., Kyoto Univ., Kyoto, 611, Japan

SOURCE: Analytica Chimica Acta (1991), 249(2), 525-32
CODEN: ACACAM; ISSN: 0003-2670

DOCUMENT TYPE: Journal

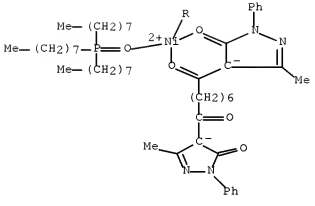
LANGUAGE: English

IT 137288-78-9D, nickel and zinc complexes 137288-79-0D, nickel and zinc complexes 137336-56-2D, nickel and zinc complexes 137336-57-3D, nickel and zinc complexes 137336-58-4D, nickel and zinc complexes 137336-59-5D, nickel and zinc complexes
RL: PAP (Properties)
(stability consts. of)

RN 137288-78-9 CAPLUS

CN Nickel, [1,8-bis(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)-1,8-octanedionato(2-)-O1,O1']bis(trioctylphosphine oxide-O)- (9CI) (CA INDEX NAME)

PAGE 1-A



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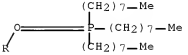
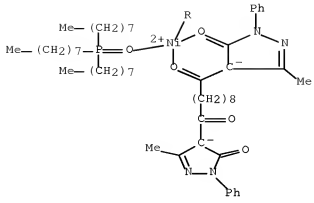


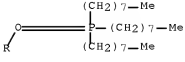
RN 137288-79-0 CAPLUS

CN Nickel, [1,10-bis(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)-1,10-decanedionato(2-)-O1,O1']bis(trioctylphosphine oxide-O)- (9CI) (CA INDEX NAME)

PAGE 1-A

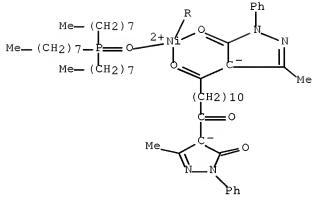


PAGE 2-A



RN 137336-56-2 CAPLUS
CN Nickel, [1,12-bis(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)-1,12-dodecanedionato(2-)-O,O',O'',O''']bis(trioctylphosphine oxide-O)-(9CI) (CA INDEX NAME)

PAGE 1-A



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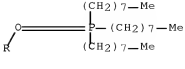
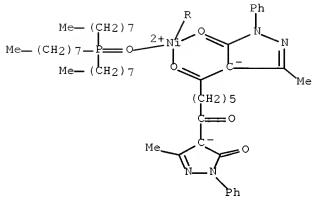


RN 137336-57-3 CAPLUS
CN Nickel, [1,7-bis(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)-1,7-heptanedionato(2-)-O,O',O'',O''']bis(trioctylphosphine oxide-O)- (9CI) (CA INDEX NAME)

PAGE 1-A



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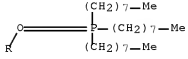
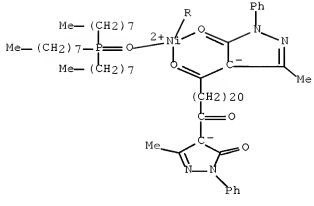


RN 137336-58-4 CAPLUS
CN Nickel, [1,22-bis(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)-1,22-docosanedionato(2-)-O,O',O'',O''']bis(trioctylphosphine oxide-O)- (9CI) (CA INDEX NAME)

PAGE 1-A



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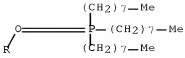
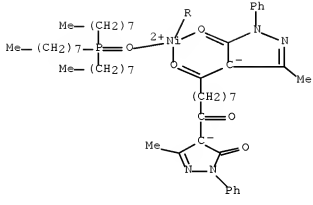


RN 137336-59-5 CAPLUS
CN Nickel, [1,9-bis(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)-1,9-nonanedionato(2-)-O,O',O'',O''']bis(trioctylphosphine oxide-O)- (9CI) (CA INDEX NAME)

PAGE 1-A



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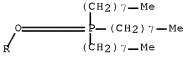
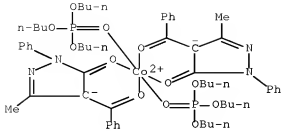
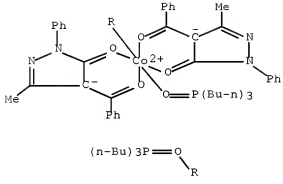


L26 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1975:553292 CAPLUS Full-text
DOCUMENT NUMBER: 83:153292
ORIGINAL REFERENCE NO.: 83:24025a,24028a
TITLE: Synergic effects in liquid-liquid extraction of some heavy metals by 1-phenyl-3-methyl-4-benzoyl-pyrazol-5-one
AUTHOR(S): Navratil, O.
CORPORATE SOURCE: Dep. Radiochem., Purkyne Univ., Brno, Czech.
SOURCE: Proc. Int. Solvent Extr. Conf. (1974), Volume 3, 2585-92. Editor(s): Jeffreys, G. V. Soc. Chem. Ind.: London, Engl.
CODEN: 30XIAE
DOCUMENT TYPE: Conference
LANGUAGE: English
IT [illegible]
RL: PRP (Properties); FORM (Formation, nonpreparative)
(formation consts. of, extraction in relation to)
RN 56977-83-4 CAPLUS
CN Cobalt, bis[4-(benzoyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3]bis(tributyl phosphate-κO''')- (9CI) (CA INDEX

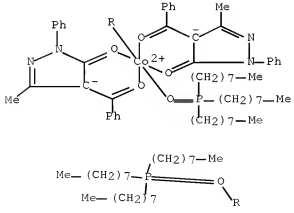
NAME)



RN 57014-17-2 CAPLUS
CN Cobalt, bis[4-(benzoyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3]bis(tributylphosphine oxide-κO)- (CA INDEX NAME)

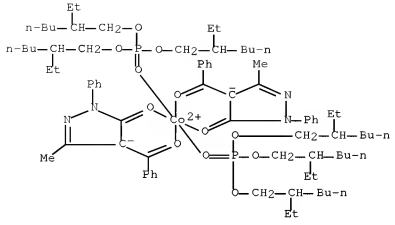


RN 57092-85-0 CAPLUS
CN Cobalt, bis[4-(benzoyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3]bis(trioctylphosphine oxide-κO)- (CA INDEX NAME)

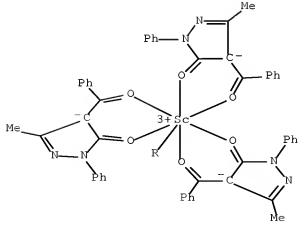


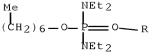
RN 57307-07-0 CAPLUS
CN Cobalt, bis[4-(benzoyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-

3-onato-κO3][tris(2-ethylhexyl) phosphate-κO''']- (9CI) (CA INDEX NAME)

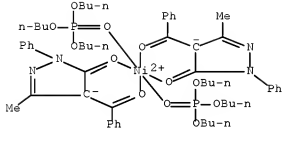


L26 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1975:466217 CAPLUS Full-text
DOCUMENT NUMBER: 83:66217
ORIGINAL REFERENCE NO.: 83:10384h,10385a
TITLE: Mechanism of scandium and zirconium ion extraction by β-diketones and heptyl tetraethyldiamidophosphate
AUTHOR(S): Padeeva, V. I.; Putilina, V. S.; Alimarin, I. P.
CORPORATE SOURCE: Mosk. Gos. Univ. im. Lomonosova, Moscow, USSR
SOURCE: Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya (1975), (3), 507-13
CODEN: IASKA6; ISSN: 0002-3353
DOCUMENT TYPE: Journal
LANGUAGE: Russian
IT 56174-36-8
RL: PRP (Properties); FORM (Formation, nonpreparative)
(formation consts. of, extraction in relation to)
RN 56174-36-8 CAPLUS
CN Scandium, tris(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-O,O')(heptyl tetraethylphosphorodiamidate-O')- (9CI) (CA INDEX NAME)

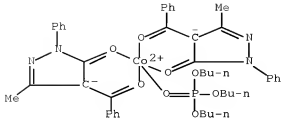




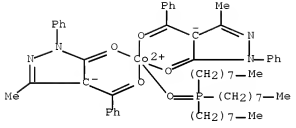
L26 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1973:164875 CAPLUS Full-text
DOCUMENT NUMBER: 78:164875
ORIGINAL REFERENCE NO.: 78:26419a,26422a
TITLE: Synergistic effects in solvent extraction of nickel with 4-benzyl-3-methyl-1-phenylpyrazolin-5-one
AUTHOR(S): Joshi, S. N.; Enanova, E. K.; Peshkova, V. M.
CORPORATE SOURCE: Dep. Anal. Chem., Moscow State Univ., Moscow, USSR
SOURCE: Indian Journal of Chemistry (1973), 11(1), 78-80
CODEN: IJOCAP; ISSN: 0019-5103
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 41659-96-5
RL: USES (Uses)
(in extraction, of nickel)
RN 41659-96-5 CAPLUS
CN Nickel, bis(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-O,O')bis(tributyl phosphate-O''')- (9CI) (CA INDEX NAME)



L26 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1970:6651 CAPLUS Full-text
DOCUMENT NUMBER: 72:6651
ORIGINAL REFERENCE NO.: 72:1237a,1240a
TITLE: Synergetic effects during the extraction of cobalt(II) with 1-phenyl-3-methyl-4-benzoyl-5-pyrazolone
AUTHOR(S): Zolotov, Yu. A.; Gavrilova, L. G.
CORPORATE SOURCE: USSR
SOURCE: Radiokhimiya (1969), 11(4), 389-93
CODEN: RADKAU; ISSN: 0033-8311
DOCUMENT TYPE: Journal
LANGUAGE: Russian
IT 24688-82-2 24688-83-3
RL: USES (Uses)
(in extraction, of cobalt, synergetic effects in relation to)
RN 24688-82-2 CAPLUS
CN Cobalt, bis(4-benzoyl-3-methyl-1-phenyl-2-pyrazolin-5-onato)(phosphoric acid)-, tributyl ester (8CI) (CA INDEX NAME)



RN 24688-83-3 CAPLUS
CN Cobalt, bis(4-benzoyl-3-methyl-1-phenyl-2-pyrazolin-5-onato)(trioctylphosphine oxide)- (8CI) (CA INDEX NAME)



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PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 5 JAN 28 MARPAT searching enhanced
NEWS 6 JAN 28 USGENE now provides USPTO sequence data within 3 days

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                of publication
NEWS  7  JAN 28  TOXCENTER enhanced with reloaded MEDLINE segment
NEWS  8  JAN 28  MEDLINE and LMEDLINE reloaded with enhancements
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NEWS 12  FEB 25  IMSPRODUCT reloaded with enhancements
NEWS 13  FEB 29  WPINDEX/WPIDS/WPIX enhanced with ECLA and current
                U.S. National Patent Classification
NEWS 14  MAR 31  IFICDB, IFIPAT, and IFIUDB enhanced with new custom
                IPC display formats
NEWS 15  MAR 31  CAS REGISTRY enhanced with additional experimental
                spectra
NEWS 16  MAR 31  CA/CAplus and CASREACT patent number format for U.S.
                applications updated
NEWS 17  MAR 31  LPCI now available as a replacement to LDPCI
NEWS 18  MAR 31  EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS 19  APR 04  STN AnaVist, Version 1, to be discontinued

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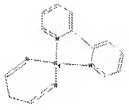

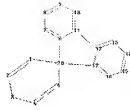

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ring nodes :
1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  20
ring bonds :
1-2  1-20  2-3  3-4  4-5  5-20  6-7  6-11  6-20  7-8  8-9  9-10  10-11  11-12  12-13
12-17  13-14  14-15  15-16  16-17  17-20
exact/norm bonds :
1-2  1-20  2-3  3-4  4-5  5-20  6-20  11-12  17-20
normalized bonds :
6-7  6-11  7-8  8-9  9-10  10-11  12-13  12-17  13-14  14-15  15-16  16-17


G1:Al,Cd,Cr,Ga,Ge,In,Ir,Mo,Ni,Pb,Pd,Pt,Rh,Sb,Sc,Sn,Ti,V,Zr

Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:Atom  8:Atom  9:Atom  10:Atom
11:Atom  12:Atom  13:Atom  14:Atom  15:Atom  16:Atom  17:Atom  20:Atom



L1      STRUCTURE UPLOADED

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SAMPLE SEARCH INITIATED 08:40:06 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      131 TO ITERATE

100.0% PROCESSED      131 ITERATIONS                          18 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:         1934 TO     3306
PROJECTED ANSWERS:             106 TO      614

L2           18 SEA SSS SAM L1

=> d scan l2

L2   18 ANSWERS   REGISTRY  COPYRIGHT 2008 ACS on STN
IN   Nickel(1+), (1,3-diphenyl-1,3-propanedionsto-κO,κO')bis(1,10-
     phenanthroline-κN1,κN10)-, (OC-6-22)-, perchlorate (9CI)
MF   C39 H27 N4 Ni O2 . Cl O4

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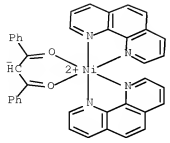

CM 2

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):end

=> s l1 sss full
FULL SEARCH INITIATED 08:40:24 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 2823 TO ITERATE

100.0% PROCESSED 2823 ITERATIONS 367 ANSWERS
SEARCH TIME: 00.00.01

L3 367 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	179.74	179.95

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FILE LAST UPDATED: 9 Apr 2008 (20080409/ED)

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=> s l3 and dev/rl
138 L3
790747 DEV/RL
L4 3 L3 AND DEV/RL

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=> s l3
L5          138 L3

=> d l4 1-3 ibib hitstr

L4   ANSWER 1 OF 3  CAPLUS  COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:          2006:1006627  CAPLUS  Full-text
DOCUMENT NUMBER:           145:386012
TITLE:                     Material for organic el device, organic el device,
                           display and illuminating device
INVENTOR(S):               Sekine, Noboru; Oshiyama, Tomohiro; Nishizeki, Masato;
                           Katoh, Eisaku
PATENT ASSIGNEE(S):        Konica Minolta Holdings, Inc., Japan
SOURCE:                    PCT Int. Appl., 91pp.
                           CODEN: PIXXD2
DOCUMENT TYPE:             Patent
LANGUAGE:                  Japanese
FAMILY ACC. NUM. COUNT:    1
PATENT INFORMATION:

     PATENT NO.             KIND   DATE         APPLICATION NO.         DATE
     ---------------        ----   --------     -------------------     --------
     WO 2006100888           A1    20060928     WO 2006-JP304062        20060303
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR,
             KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX,
             MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE,
             SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC,
             VN, YU, ZA, ZM, ZW
         RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
             IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
             CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
             GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM
PRIORITY APPLN. INFO.:                          JP 2005-81837       A  20050322
OTHER SOURCE(S):           MARPAT 145:386012
IT   910655-30-0
     RL: DEV (Device component use); MOA (Modifier or additive use);
     USES (Uses)
        (material for organic electroluminescent device, organic electroluminescent
     device, display and illuminating device)
RN   910655-30-0  CAPLUS
CN   Iridium, chloro(2,2,6,6-tetramethyl-3,5-heptanedionato-
     κO,κO')[2-[4-(2,4,6-trimethylphenyl)[2,2'-bipyridin]-6-yl-
     κN1,κN1']phenyl-κC]- (9CI)  (CA INDEX NAME)
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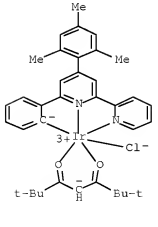


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REFERENCE COUNT:           9      THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS
                                  RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4   ANSWER 2 OF 3  CAPLUS  COPYRIGHT 2008 ACS on STN
```
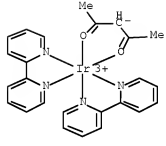
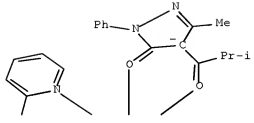

ACCESSION NUMBER: 2006:669293 CAPLUS Full-text
DOCUMENT NUMBER: 145:220753
TITLE: Method for manufacturing organic electrophosphorescent device
INVENTOR(S): Qiu, Yong; Lei, Gangtie; Wang, Liduo
PATENT ASSIGNEE(S): Tsinghua Univ., Peop. Rep. China; Beijing Visionox Technology Co., Ltd.
SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 32pp. CODEN: CNXXEV
DOCUMENT TYPE: Patent
LANGUAGE: Chinese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

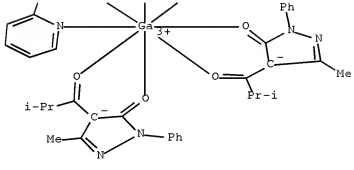
PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
CN 1582073	A	20050216	CN 2004-10069263		20040716
PRIORITY APPLN. INFO.:			CN 2004-10004468	A	20040227

IT 162196-00-1
RL: DEV (Device component use); PRP (Properties); USES (Uses)
(method for manufacturing organic electrophosphorescent device)
RN 162196-00-1 CAPLUS
CN Iridium(2+), bis(2,2'-bipyridine-κN1,κN1')(2,4-pentanedionato-κO,κO')-, (OC-6-22)- (9CI) (CA INDEX NAME)



L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2004:1128122 CAPLUS Full-text
DOCUMENT NUMBER: 143:395889
TITLE: Electroluminescence from exciplex on the interface between TPD and La(PMIP)3(Bipy)
AUTHOR(S): Gao, De-qing; Bian, Zu-qiang; Huang, Yan-yi; Huang, Chun-hui; Ibrahim, K.; Liu, Feng-qin
CORPORATE SOURCE: State Key Laboratory of Rare Earth Materials Chemistry and Applications, Peking University, Beijing, 100871, Peop. Rep. China
SOURCE: Chemical Research in Chinese Universities (2004), 20(6), 790-794
CODEN: CRCUED; ISSN: 1005-9040
PUBLISHER: Higher Education Press
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 866940-70-7
RL: DEV (Device component use); USES (Uses)
(electroluminescence from exciplex on interface between TPD and La(PMIP)3(Bipy))
RN 866940-70-7 CAPLUS
CN Gadolinium, (2,2'-bipyridine-κN1,κN1')tris[2,4-dihydro-5-methyl-4-[2-methyl-1-(oxo-κO)propyl]-2-phenyl-3H-pyrazol-3-onato-κO3]- (9CI) (CA INDEX NAME)





REFERENCE COUNT: 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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=> d his

     (FILE 'HOME' ENTERED AT 08:37:53 ON 10 APR 2008)

     FILE 'REGISTRY' ENTERED AT 08:38:06 ON 10 APR 2008
L1             STRUCTURE UPLOADED
L2              18 S L1 SSS SAM
L3             367 S L1 SSS FULL

     FILE 'CAPLUS' ENTERED AT 08:40:28 ON 10 APR 2008
L4               3 S L3 AND DEV/RL
L5             138 S L3

=> s l5 and electrolumin?
         80383 ELECTROLUMIN?
L6               7 L5 AND ELECTROLUMIN?

=> s l6 not l4
L7               4 L6 NOT L4

=> d l7 1-4 ibib hitstr
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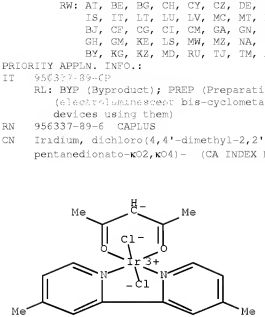
L7 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2007:1271475 CAPLUS Full-text
DOCUMENT NUMBER: 147:531113
TITLE: Electroluminescent bis-cyclometalled iridium compounds and devices made with such compounds
INVENTOR(S): Lonkin, Alex Sergey; Marshall, William J.; Wang, Ying; Petrov, Viacheslav A.
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 15pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20070259205	A1	20071108	US 2006-430473	20060508
WO 2007133523	A2	20071122	WO 2007-US11068	20070508
WO 2007133523	A3	20080110		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA

PRIORITY APPLN. INFO.: US 2006-430473 A 20060508
IT 956337-89-6P
RL: BYP (Byproduct); PREP (Preparation)
(electroluminescent bis-cyclometalled iridium compds. and devices using them)
RN 956337-89-6 CAPLUS
CN Iridium, dichloro(4,4'-dimethyl-2,2'-bipyridine-κN1,κN1')(2,4-pentanedionato-κO2,κO4)- (CA INDEX NAME)



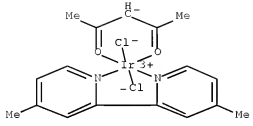
L7 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2007:1075780 CAPLUS Full-text
DOCUMENT NUMBER: 148:11318
TITLE: Synthesis, structural characterization, and initial electroluminescent properties of bis-cycloiridiated complexes of 2-(3,5-bis(trifluoromethyl)phenyl)-4-methylpyridine
AUTHOR(S): Lonkin, Alex S.; Wang, Ying; Marshall, William J.; Petrov, Viacheslav A.
CORPORATE SOURCE: Experimental Station, DuPont Central Research and Development, Wilmington, DE, 19880-0328, USA
SOURCE: Journal of Organometallic Chemistry (2007), 692(22), 4809-4827
CODEN: JORCAI; ISSN: 0022-328X
PUBLISHER: Elsevier Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English

IT 957962-35-5P

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(crystal structure; synthesis, structural characterization, and initial electroluminescent properties of bis-cycloiridated complexes of 2-[3,5-bis(trifluoromethyl)phenyl]-4-methylpyridine)

RN 957962-35-5 CAPLUS

CN Iridium, dichloro(4,4'-dimethyl-2,2'-bipyridine-κN1,κN1')(2,4-pentanedionato-κO2,κO4)-, (OC-6-13)- (CA INDEX NAME)



REFERENCE COUNT: 59 THERE ARE 59 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2007:8436 CAPLUS Full-text

DOCUMENT NUMBER: 146:509925

TITLE: Broad wavelength modulating and design of organic white diode based on lighting by using exciplex emission from mixed acceptors

AUTHOR(S): Wang, D.; Li, W. L.; Su, Z. S.; Li, T. L.; Chu, B.; Bi, D. F.; Chen, L. L.; Su, W. M.; He, H.

CORPORATE SOURCE: Key Laboratory of Excited State Processes, Changchun Institute of Optics, Fine Mechanics and Physics, Chinese Academy of Sciences, Changchun, 130033, Peop. Rep. China

SOURCE: Applied Physics Letters (2006), 89(23), 233511/1-233511/3
CODEN: APPLAB; ISSN: 0003-6951

PUBLISHER: American Institute of Physics

DOCUMENT TYPE: Journal

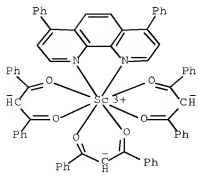
LANGUAGE: English

IT 936110-49-5

RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
(broad wavelength modulating and design of organic white diode based on lighting by using exciplex emission from mixed acceptors)

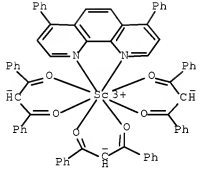
RN 936110-49-5 CAPLUS

CN Scandium, (4,7-diphenyl-1,10-phenanthroline-κN1,κN10)tris(1,3-diphenyl-1,3-propanedionato-κO1,κO3)- (CA INDEX NAME)



REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2006:686724 CAPLUS Full-text
DOCUMENT NUMBER: 147:41693
TITLE: Organic electroluminescent device using Sc(DBM)3 bath as electron transport layer
AUTHOR(S): Chen, Li-li; Li, Wen-lian; Yu, Tian-zhi; Chen, Guang-bo; Chu, Bei; Kong, Zhi-guo
CORPORATE SOURCE: Key Laboratory of Excited State Processes, Changchun Institute of Optics, Fine Mechanics and Physics, Chinese Academy of Sciences, Changchun, 130033, Peop. Rep. China
SOURCE: Yejing Yu Xianshi (2006), 21(2), 188-190
CODEN: YYXIFY; ISSN: 1007-2780
PUBLISHER: Kexue Chubanshe
DOCUMENT TYPE: Journal
LANGUAGE: Chinese
IT 936110-49-5
RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
(organic electroluminescent device using Sc(DBM)3 bath as electron transport layer)
RN 936110-49-5 CAPLUS
CN Scandium, {4,7-diphenyl-1,10-phenanthroline-κN1,κN10}tris(1,3-diphenyl-1,3-propanedionato-κO1,κO3)- (CA INDEX NAME)



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L2              18 S L1 SSS SAM
L3             367 S L1 SSS FULL

     FILE 'CAPLUS' ENTERED AT 08:40:28 ON 10 APR 2008
L4               3 S L3 AND DEV/RL
L5             138 S L3
L6               7 S L5 AND ELECTROLUMIN?
L7               4 S L6 NOT L4

-> s l5 and fluorescent
         182636 FLUORESCENT
             48 FLUORESCENTS
         182651 FLUORESCENT
                (FLUORESCENT OR FLUORESCENTS)
L8               1 L5 AND FLUORESCENT

-> s l5 and luminescent
          54372 LUMINESCENT
              9 LUMINESCENTS
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               (LUMINESCENT OR LUMINESCENTS)
L9           3 L5 AND LUMINESCENT

=> d l9 1-3 ibib hitstr

L9   ANSWER 1 OF 3  CAPLUS  COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:         2007:1271475  CAPLUS  Full-text
DOCUMENT NUMBER:          147:531113
TITLE:                    Electroluminescent bis-cyclometalled iridium compounds
                          and devices made with such compounds
INVENTOR(S):              Ionkin, Alex Sergey; Marshall, William J.; Wang, Ying;
                          Petrov, Viacheslav A.
PATENT ASSIGNEE(S):       USA
SOURCE:                   U.S. Pat. Appl. Publ., 15pp.
                          CODEN: USXXCO
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.            KIND   DATE        APPLICATION NO.          DATE
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     US 20070259205         A1    20071108    US 2006-430473           20060508
     WO 2007133523          A2    20071122    WO 2007-US11068          20070508
     WO 2007133523          A3    20080110
         W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA,
             CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB,
             GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM,
             KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG,
             MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT,
             RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR,
             TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
         RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
             IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF,
             BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW,
             GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,
             BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA
PRIORITY APPLN. INFO.:                      US 2006-430473      A  20060508
IT   956337-89-6
     RL: BYP (Byproduct); PREP (Preparation)
        (electroluminescent bis-cyclometalled iridium compds. and devices using
        them)
RN   956337-89-6  CAPLUS
CN   Iridium, dichloro(4,4'-dimethyl-2,2'-bipyridine-κN1,κN1')(2,4-
     pentanedionato-κO2,κO4)-  (CA INDEX NAME)
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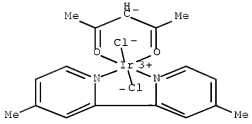


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L9   ANSWER 2 OF 3  CAPLUS  COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:         2006:1006627  CAPLUS  Full-text
DOCUMENT NUMBER:          145:386012
TITLE:                    Material for organic el device, organic el device,
                          display and illuminating device
INVENTOR(S):              Sekine, Noboru; Oshiyama, Tomohiro; Nishizeki, Masato;
                          Katoh, Eisaku
PATENT ASSIGNEE(S):       Konica Minolta Holdings, Inc., Japan
SOURCE:                   PCT Int. Appl., 91pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
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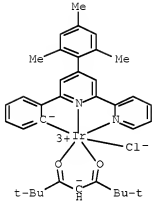
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006100888	A1	20060928	WO 2006-JP304062	20060303
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

PRIORITY APPLN. INFO.: JP 2005-81837 A 20050322
OTHER SOURCE(S): MARPAT 145:386012
IT 910655-30-0
RL: DEV (Device component use); MOA (Modifier or additive use); USES (Uses)
(material for organic electroluminescent device, organic electroluminescent device, display and illuminating device)
RN 910655-30-0 CAPLUS
CN Iridium, chloro(2,2,6,6-tetramethyl-3,5-heptanedionato-κO,κO')[2-[4-(2,4,6-trimethylphenyl)[2,2'-bipyridin]-6-yl-κN1,κN1']phenyl-κC]- (9CI) (CA INDEX NAME)

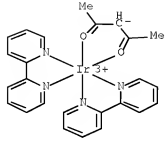


REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2006:669293 CAPLUS Full-text
DOCUMENT NUMBER: 145:220753
TITLE: Method for manufacturing organic electrophosphorescent device
INVENTOR(S): Qiu, Yong; Lei, Gangtie; Wang, Liduo
PATENT ASSIGNEE(S): Tsinghua Univ., Peop. Rep. China; Beijing Visionox Technology Co., Ltd.
SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 32pp. CODEN: CNXXEV
DOCUMENT TYPE: Patent
LANGUAGE: Chinese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 1582073	A	20050216	CN 2004-10069263	20040716

PRIORITY APPLN. INFO.: CN 2004-10004468 A 20040227
IT [illegible]
    RL: DEV (Device component use); PRP (Properties); USES (Uses)
    (method for manufacturing organic electrophosphorescent device)
RN 162196-00-1 CAPLUS
CN Iridium(2+), bis(2,2'-bipyridine-κN1,κN1')(2,4-pentanedionato-
    κO,κO')-, (OC-6-22)- (9CI) (CA INDEX NAME)



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L3   367 S L1 SSS FULL

    FILE 'CAPLUS' ENTERED AT 08:40:28 ON 10 APR 2008
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L5   138 S L3
L6   7 S L5 AND ELECTROLUMIN?
L7   4 S L6 NOT L4
L8   1 S L5 AND FLUORESCENT
L9   3 S L5 AND LUMINESCENT

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L11   2 L10 AND LUMINES?

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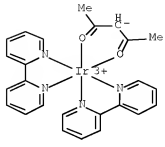
L11 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1995:287167 CAPLUS Full-text
DOCUMENT NUMBER: 122:226479
TITLE: Resonant luminescence line narrowing in the
                          charge transfer emitting states of [Ir(bpy)2(MeOH)2]3+
                          and [Ir(bpy)2(acac)]2+
AUTHOR(S):   Riesen, Hans; Krausz, Elmars
CORPORATE SOURCE: Research School of Chemistry, The Australian National
                          University, Canberra, ACT, 0200, Australia
SOURCE: Journal of Luminescence (1994), 62(6), 253-6
                          CODEN: JLUMA8; ISSN: 0022-2313
PUBLISHER: Elsevier
DOCUMENT TYPE: Journal
LANGUAGE: English
IT [illegible]-60-3, Bis(2,2'-bipyridine)(acetylacetonate)iridium(2+)
    RL: PEP (Physical, engineering or chemical process); PRP (Properties);

PROC (Process)
(resonant luminescence line narrowing in charge transfer emitting states of)
RN 162196-00-1 CAPLUS
CN Iridium(2+), bis(2,2'-bipyridine-κN1,κN1')(2,4-pentanedionato-κO,κO')-, (OC-6-22)- (9CI) (CA INDEX NAME)



L11 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1988:416101 CAPLUS Full-text
DOCUMENT NUMBER: 109:16101
ORIGINAL REFERENCE NO.: 109:2643a,2646a
TITLE: Synthesis, spectroscopy, and photophysical behavior of mixed-ligand mono- and bis(polypyridyl)chromium(III) complexes. Examples of efficient, thermally activated excited-state relaxation without back intersystem crossing
AUTHOR(S): Ryu, Chong Kul; Endicott, John F.
CORPORATE SOURCE: Dep. Chem., Wayne State Univ., Detroit, MI, 48202, USA
SOURCE: Inorganic Chemistry (1988), 27(13), 2203-14
CODEN: INOCAJ; ISSN: 0020-1669
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 114581-93-0, (Acetylacetonato)bis(1,10-phenanthroline)chromium(2+) diperchlorate
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and spectra and cyclic voltammetry and excited-state properties of)
RN 114581-93-0 CAPLUS
CN Chromium(2+), (2,4-pentanedionato-O,O')bis(1,10-phenanthroline-N1,N10)-, (OC-6-22)-, diperchlorate (9CI) (CA INDEX NAME)

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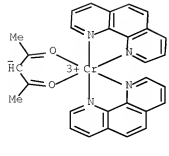
CCI CCS



CM 2

CRN 14797-73-0
CMF Cl O4

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COST IN U.S. DOLLARS

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FULL ESTIMATED COST	74.52	254.47

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DICTIONARY FILE UPDATES: 9 APR 2008 HIGHEST RN 1013298-21-9

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experimental property data in the original document. For information
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http://www.cas.org/support/stngen/stndoc/properties.html

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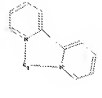

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ring bonds :
1-2 1-6 1-15 2-3 3-4 4-5 5-6 6-7 7-8 7-12 8-9 9-10 10-11 11-12 12-15

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exact/norm bonds :
1-15  6-7  12-15
normalized bonds :
1-2  1-6  2-3  3-4  4-5  5-6  7-8  7-12  8-9  9-10  10-11  11-12


G1:Al,Cd,Cr,Ga,Ge,In,Ir,Mo,Ni,Pb,Pd,Pt,Rh,Sb,Sc,Sn,Ti,V,Zr

Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:Atom  8:Atom  9:Atom  10:Atom
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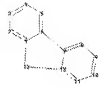

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ring nodes :
1  2  3  4  5  6  7  8  9  10  11  12  13
ring bonds :
1-2  1-6  1-13  2-3  3-4  4-5  5-6  6-7  7-8  7-12  8-9  9-10  10-11  11-12  12-13

exact/norm bonds :
1-13  6-7  12-13
normalized bonds :
1-2  1-6  2-3  3-4  4-5  5-6  7-8  7-12  8-9  9-10  10-11  11-12


G1:Al,Cd,Cr,Ga,Ge,In,Ir,Mo,Ni,Pb,Pd,Pt,Rh,Sb,Sc,Sn,Ti,Co,Os,Ru

Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:Atom  8:Atom  9:Atom  10:Atom
11:Atom  12:Atom  13:Atom



L13     STRUCTURE UPLOADED

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SAMPLE SCREEN SEARCH COMPLETED -      5302 TO ITERATE

 37.7% PROCESSED     2000 ITERATIONS                          50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:      101674 TO   110406
PROJECTED ANSWERS:          74351 TO    81845
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L14          50 SEA SSS SAM L13

=> s l14 sss full
FULL SEARCH INITIATED 09:04:34 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   105785 TO ITERATE

100.0% PROCESSED   105785 ITERATIONS                          76572 ANSWERS
SEARCH TIME: 00.00.01

L15       76572 SEA SSS FUL L13

=> file caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                   180.66     435.13

FILE 'CAPLUS' ENTERED AT 09:04:39 ON 10 APR 2008
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FILE COVERS 1907 - 10 Apr 2008  VOL 148 ISS 15
FILE LAST UPDATED: 9 Apr 2008  (20080409/ED)

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=> s l15 and dev/rl
        25099 L15
       790747 DEV/RL
L16      2515 L15 AND DEV/RL

=> s l15
L17      25099 L15

=> s l17 and electrolumin?
        80383 ELECTROLUMIN?
L18       423 L17 AND ELECTROLUMIN?

=> s l18 and py<=2002
     22929791 PY<=2002
L19       162 L18 AND PY<=2002

=> s l19 and ruthenium
       102274 RUTHENIUM
           23 RUTHENIUMS
       102274 RUTHENIUM
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L20       108 L19 AND RUTHENIUM

=> s l19 and osmium
        26846 OSMIUM
            6 OSMIUMS
        26848 OSMIUM
                (OSMIUM OR OSMIUMS)
L21        20 L19 AND OSMIUM

=> s l19 and calcium
       858795 CALCIUM
           38 CALCIUMS
       858799 CALCIUM
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                (CALCIUM OR CALCIUMS)
L22          3 L19 AND CALCIUM

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L22  ANSWER 1 OF 3  CAPLUS  COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:          2003:717673  CAPLUS  Full-text
DOCUMENT NUMBER:           139:206660
TITLE:                     Method for making microsensor arrays for detecting
                           analytes
INVENTOR(S):               Bright, Frank V.; Cho, Eun Jeong
PATENT ASSIGNEE(S):        USA
SOURCE:                    U.S. Pat. Appl. Publ., 20 pp., Cont.-in-part of U.S.
                           Ser. No. 254,254.
                           CODEN: USXXCO
DOCUMENT TYPE:             Patent
LANGUAGE:                  English
FAMILY ACC. NUM. COUNT:    2
PATENT INFORMATION:

     PATENT NO.          KIND   DATE        APPLICATION NO.         DATE
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     US 20030170908      A1     20030911    US 2003-351109          20030124
     US 6492182          B1     20021210    US 2000-628209          20000728 <--
     US 20030027353      A1     20030206    US 2002-254253          20020925
     US 6582966          B2     20030624
     US 20030036205      A1     20030220    US 2002-254254          20020925
     US 6589438          B2     20030708
PRIORITY APPLN. INFO.:                      US 2000-628209      A3 20000728
                                            US 2002-351592P     P  20020125
                                            US 2002-254254      A2 20020925
                                            US 1999-145856P     P  19990728

IT   63373-04-6, Tris(4,7-diphenyl-1,10-phenanthroline)ruthenium(II)
     RL: ARG (Analytical reagent use); DEV (Device component use); PRP
     (Properties); ANST (Analytical study); USES (Uses)
        (as luminescent substance in TMOS xerogel glass; method for rapid
        production of reusable multianalyte chemical sensor arrays)
RN   63373-04-6  CAPLUS
CN   Ruthenium(2+), tris(4,7-diphenyl-1,10-phenanthroline-κN1,κN10)-
     , (OC-6-11)-  (CA INDEX NAME)
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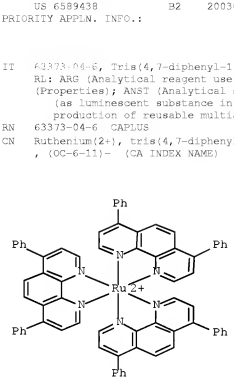


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L22  ANSWER 2 OF 3  CAPLUS  COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:          2001:101410  CAPLUS  Full-text
DOCUMENT NUMBER:           134:144196
TITLE:                     Device for detecting analytes comprising
                           electromagnetic radiation generating substrate and
                           microsensor arrays
INVENTOR(S):               Bright, Frank V.; Wenner, Brett; Doody, Meagan; Baker,
                           Gary A.
PATENT ASSIGNEE(S):        The Research Foundation of State University of New
                           York, USA
SOURCE:                    PCT Int. Appl., 48 pp.
                           CODEN: PIXXD2
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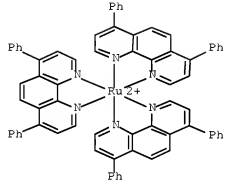
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001009604	A1	20010208	WO 2000-US20646	20000728 <--
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 20030027353	A1	20030206	US 2002-254253	20020925
US 6582966	B2	20030624		
PRIORITY APPLN. INFO.:			US 1999-145856P P	19990728
			US 2000-628209 A3	20000728

IT 63373-04-6, Tris(4,7-diphenyl-1,10-phenanthroline)ruthenium(II)
RL: ARG (Analytical reagent use); DEV (Device component use); PRP (Properties); ANST (Analytical study); USES (Uses)
(as luminescent substance in TMOS xerogel glass; microsensor arrays and method of using same for detecting analytes)
RN 63373-04-6 CAPLUS
CN Ruthenium(2+), tris(4,7-diphenyl-1,10-phenanthroline-κN1,κN10)-, (OC-6-11)- (CA INDEX NAME)



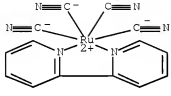
REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L22 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2000:875771 CAPLUS Full-text
DOCUMENT NUMBER: 134:50826
TITLE: Vapochromic LED
INVENTOR(S): Kunugi, Yoshihito; Mann, Kent R.; Miller, Larry L.; Exstrom, Christopher L.
PATENT ASSIGNEE(S): Regents of the University of Minnesota, USA
SOURCE: U.S., 10 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6160267	A	20001212	US 1999-225758	19990105 <--
US 6137118	A	20001024	US 1999-315877	19990520 <--
US 6338977	B1	20020115	US 2000-638269	20000814 <--
US 6417923	B1	20020709	US 2000-638281	20000814 <--
US 20020042174	A1	20020411	US 2001-10478	20011105 <--

US 6578406 B2 20030617
PRIORITY APPLN. INFO.: US 1999-225758 A2 19990105
US 1999-315877 A3 19990520
US 2000-638269 XX 20000814

OTHER SOURCE(S): MARPAT 134:50826
IT 105206-45-9, salts
RL: ARU (Analytical role, unclassified); DEV (Device component use); ANST (Analytical study); USES (Uses)
(vapochromic light-emitting devices)
RN 105206-45-9 CAPLUS
CN Ruthenate(2-), (2,2'-bipyridine-κN1,κN1')tetrakis(cyano-κC)-, (OC-6-22)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> file registry
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 27.33 462.46

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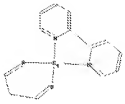

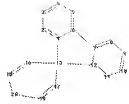

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1  2  3  4  5  6  7  8  9  10  11  12  13  16  17  18  19  20
ring bonds :
1-2  1-6  1-13  2-3  3-4  4-5  5-6  6-7  7-8  7-12  8-9  9-10  10-11  11-12  12-13
13-16  13-17  16-18  17-19  18-20  19-20
exact/norm bonds :
1-13  6-7  12-13  13-16  13-17  16-18  17-19  18-20  19-20
normalized bonds :
1-2  1-6  2-3  3-4  4-5  5-6  7-8  7-12  8-9  9-10  10-11  11-12


G1:Al,Cd,Cr,Ga,Ge,In,Ir,Mo,Ni,Pb,Pd,Pt,Rh,Sb,Sc,Sn,Ti,Co,Os,Ru

Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:Atom  8:Atom  9:Atom  10:Atom
11:Atom  12:Atom  13:Atom  16:Atom  17:Atom  18:Atom  19:Atom  20:Atom



L23     STRUCTURE UPLOADED

=> s l23 sss full
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FULL SCREEN SEARCH COMPLETED -     3204 TO ITERATE

100.0% PROCESSED     3204 ITERATIONS                              769 ANSWERS
SEARCH TIME: 00.00.01

L24         769 SEA SSS FUL L23

=> file caplus
COST IN U.S. DOLLARS                              SINCE FILE      TOTAL
                                                     ENTRY    SESSION
FULL ESTIMATED COST                                178.36     640.82

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FILE COVERS 1907 - 10 Apr 2008 VOL 148 ISS 15
FILE LAST UPDATED: 9 Apr 2008 (20080409/ED)

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-> s l24
L25 283 L24

-> s l25 and electrolumin?
80383 ELECTROLUMIN?
L26 8 L25 AND ELECTROLUMIN?

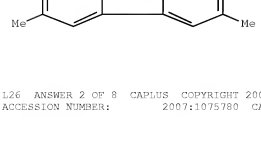
-> d l26 1-8 ibib hitstr

L26 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2007:1271475 CAPLUS Full-text
DOCUMENT NUMBER: 147:531113
TITLE: Electroluminescent bis-cyclometalled iridium compounds and devices made with such compounds
INVENTOR(S): Lonkin, Alex Sergey; Marshall, William J.; Wang, Ying; Petrov, Vlacheslav A.
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 15pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20070259205	A1	20071108	US 2006-430473	20060508
WO 2007133523	A2	20071122	WO 2007-US11068	20070508
WO 2007133523	A3	20080110		

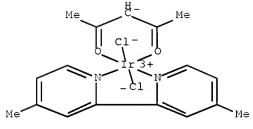
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA

PRIORITY APPLN. INFO.: US 2006-430473 A 20060508
IT 956337-89-6P
RL: BYP (Byproduct); PREP (Preparation)
(electroluminescent bis-cyclometalled iridium compds. and devices using them)
RN 956337-89-6 CAPLUS
CN Iridium, dichloro(4,4'-dimethyl-2,2'-bipyridine-κN1,κN1')(2,4-pentanedionato-κO2,κO4)- (CA INDEX NAME)



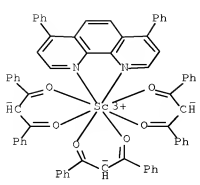
L26 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2007:1075780 CAPLUS Full-text

DOCUMENT NUMBER: 148:11318
TITLE: Synthesis, structural characterization, and initial electroluminescent properties of bis-cycloiridiated complexes of 2-(3,5-bis(trifluoromethyl)phenyl)-4-methylpyridine
AUTHOR(S): Jonkin, Alex S.; Wang, Ying; Marshall, William J.; Petrov, Viacheslav A.
CORPORATE SOURCE: Experimental Station, DuPont Central Research and Development, Wilmington, DE, 19880-0328, USA
SOURCE: Journal of Organometallic Chemistry (2007), 692(22), 4809-4827
CODEN: JORCAI; ISSN: 0022-328X
PUBLISHER: Elsevier Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 957962-35-5P
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(crystal structure; synthesis, structural characterization, and initial electroluminescent properties of bis-cycloiridated complexes of 2-(3,5-bis(trifluoromethyl)phenyl)-4-methylpyridine)
RN 957962-35-5 CAPLUS
CN Iridium, dichloro(4,4'-dimethyl-2,2'-bipyridine-κN1,κN1')(2,4-pentanedionato-κO2,κO4)-, (OC-6-13)- (CA INDEX NAME)



REFERENCE COUNT: 59 THERE ARE 59 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L26 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2007:8436 CAPLUS Full-text
DOCUMENT NUMBER: 146:509925
TITLE: Broad wavelength modulating and design of organic white diode based on lighting by using exciplex emission from mixed acceptors
AUTHOR(S): Wang, D.; Li, W. L.; Su, Z. S.; Li, T. L.; Chu, B.; Bi, D. F.; Chen, L. L.; Su, W. M.; He, H.
CORPORATE SOURCE: Key Laboratory of Excited State Processes, Changchun Institute of Optics, Fine Mechanics and Physics, Chinese Academy of Sciences, Changchun, 130033, Peop. Rep. China
SOURCE: Applied Physics Letters (2006), 89(23), 233511/1-233511/3
CODEN: APPLAB; ISSN: 0003-6951
PUBLISHER: American Institute of Physics
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 936110-49-5
RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
(broad wavelength modulating and design of organic white diode based on lighting by using exciplex emission from mixed acceptors)
RN 936110-49-5 CAPLUS
CN Scandium, (4,7-diphenyl-1,10-phenanthroline-κN1,κN10)tris(1,3-diphenyl-1,3-propanedionato-κO1,κO3)- (CA INDEX NAME)



REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L26 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2006:1006627 CAPLUS Full-text
DOCUMENT NUMBER: 145:386012
TITLE: Material for organic el device, organic el device, display and illuminating device
INVENTOR(S): Sekine, Noboru; Oshiyama, Tomohiro; Nishizeki, Masato; Katoh, Eisaku
PATENT ASSIGNEE(S): Konica Minolta Holdings, Inc., Japan
SOURCE: PCT Int. Appl., 91pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006100888	A1	20060928	WO 2006-JP304062	20060303

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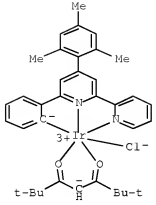
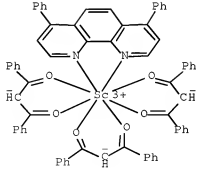
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.: JP 2005-81837 A 20050322
OTHER SOURCE(S): MARPAT 145:386012
IT 910655-30-0
RL: DEV (Device component use); MOA (Modifier or additive use); USES (Uses)
(material for organic electroluminescent device, organic electroluminescent device, display and illuminating device)
RN 910655-30-0 CAPLUS
CN Iridium, chloro(2,2,6,6-tetramethyl-3,5-heptanedionato-κO,κO')[2-[4-(2,4,6-trimethylphenyl)[2,2'-bipyridin]-6-yl-κN1,κN1']phenyl-κC]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L26 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2006:686724 CAPLUS Full-text
DOCUMENT NUMBER: 147:41693
TITLE: Organic electroluminescent device using Sc(DBM)3 bath as electron transport layer
AUTHOR(S): Chen, Li-li; Li, Wen-lian; Yu, Tian-zhi; Chen, Guang-bo; Chu, Bei; Kong, Zhi-guo
CORPORATE SOURCE: Key Laboratory of Excited State Processes, Changchun Institute of Optics, Fine Mechanics and Physics, Chinese Academy of Sciences, Changchun, 130033, Peop. Rep. China
SOURCE: Yejing Yu Xianshi (2006), 21(2), 188-190
CODEN: YYXIFY; ISSN: 1007-2780
PUBLISHER: Kexue Chubanshe
DOCUMENT TYPE: Journal
LANGUAGE: Chinese
IT 936110-49-5
RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
(organic electroluminescent device using Sc(DBM)3 bath as electron transport layer)
RN 936110-49-5 CAPLUS
CN Scandium, {4,7-diphenyl-1,10-phenanthroline-κN1,κN10}tris(1,3-diphenyl-1,3-propanedionato-κO1,κO3)- (CA INDEX NAME)

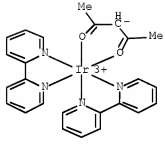


L26 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2006:669293 CAPLUS Full-text
DOCUMENT NUMBER: 145:220753
TITLE: Method for manufacturing organic electrophosphorescent

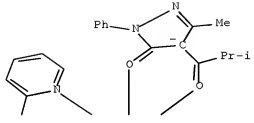
device
INVENTOR(S): Qiu, Yong; Lei, Gangtie; Wang, Liduo
PATENT ASSIGNEE(S): Tsinghua Univ., Peop. Rep. China; Beijing Visionox Technology Co., Ltd.
SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 32pp. CODEN: CNXXEV
DOCUMENT TYPE: Patent
LANGUAGE: Chinese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

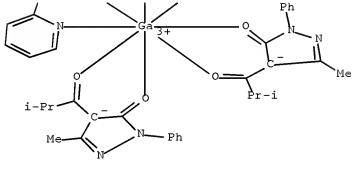
PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
CN 1582073	A	20050216	CN 2004-10069263		20040716
PRIORITY APPLN. INFO.:			CN 2004-10004468	A	20040227

IT 162196-00-1
RL: DEV (Device component use); PRP (Properties); USES (Uses)
(method for manufacturing organic electrophosphorescent device)
RN 162196-00-1 CAPLUS
CN Iridium(2+), bis(2,2'-bipyridine-κN1,κN1')(2,4-pentanedionato-κO,κO')-, (OC-6-22)- (9CI) (CA INDEX NAME)



L26 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2004:1128122 CAPLUS Full-text
DOCUMENT NUMBER: 143:395889
TITLE: Electroluminescence from exciplex on the interface between TPD and La(PMIP)3(Bipy)
AUTHOR(S): Gao, De-qing; Bian, Zu-qiang; Huang, Yan-yi; Huang, Chun-hui; Ibrahim, K.; Liu, Feng-qin
CORPORATE SOURCE: State Key Laboratory of Rare Earth Materials Chemistry and Applications, Peking University, Beijing, 100871, Peop. Rep. China
SOURCE: Chemical Research in Chinese Universities (2004), 20(6), 790-794
CODEN: CRCUED; ISSN: 1005-9040
PUBLISHER: Higher Education Press
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 866940-70-7
RL: DEV (Device component use); USES (Uses)
(electroluminescence from exciplex on interface between TPD and La(PMIP)3(Bipy))
RN 866940-70-7 CAPLUS
CN Gadolinium, (2,2'-bipyridine-κN1,κN1')tris[2,4-dihydro-5-methyl-4-[2-methyl-1-(oxo-κO)propyl]-2-phenyl-3H-pyrazol-3-onato-κO3]- (9CI) (CA INDEX NAME)

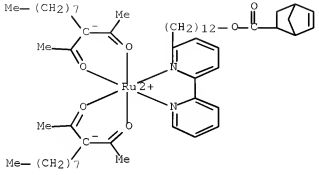




REFERENCE COUNT: 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L26 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2004:474382 CAPLUS Full-text
DOCUMENT NUMBER: 141:157577
TITLE: Side-chain functionalized polymers containing bipyridine coordination sites: Polymerization and metal-coordination studies
AUTHOR(S): Carlise, Joseph R.; Weck, Marcus
CORPORATE SOURCE: Georgia Institute of Technology, School of Chemistry and Biochemistry, Atlanta, GA, 30332-0400, USA
SOURCE: Journal of Polymer Science, Part A: Polymer Chemistry (2004), 42(12), 2973-2984
CODEN: JPACEC; ISSN: 0887-624X
PUBLISHER: John Wiley & Sons, Inc.
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 727740-50-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(side-chain functionalized polymers containing bipyridine coordination sites)
RN 727740-50-3 CAPLUS
CN Ruthenium, [12-([2,2'-bipyridin]-6-yl-κN1,κN1')dodecyl bicyclo[2.2.1]hept-5-ene-2-carboxylate]bis(3-octyl-2,4-pentanedionato-

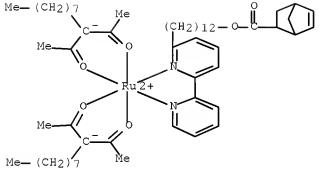
κO,κO')-, (OC-6-31)- (9CI) (CA INDEX NAME)



IT 727740-51-4P
    RL: SPN (Synthetic preparation); PREP (Preparation)
    (side-chain functionalized polymers containing bipyridine coordination sites)
RN 727740-51-4 CAPLUS
CN Ruthenium, [12-([2,2'-bipyridin]-6-yl-κN1,κN1')dodecyl bicyclo[2.2.1]hept-5-ene-2-carboxylate]bis(3-octyl-2,4-pentanedionato-κO,κO')-, (OC-6-31)-, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 727740-50-3
CMF C56 H86 N2 O6 Ru
CCI CCS



REFERENCE COUNT: 45 THERE ARE 45 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 08:37:53 ON 10 APR 2008)

FILE 'REGISTRY' ENTERED AT 08:38:06 ON 10 APR 2008
L1 STRUCTURE UPLOADED
L2 18 S L1 SSS SAM
L3 367 S L1 SSS FULL

FILE 'CAPLUS' ENTERED AT 08:40:28 ON 10 APR 2008
L4 3 S L3 AND DEV/RL
L5 138 S L3
L6 7 S L5 AND ELECTROLUMIN?
L7 4 S L6 NOT L4

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L8            1 S L5 AND FLUORESCENT
L9            3 S L5 AND LUMINESCENT
L10         106 S L5 AND PY<=2002
L11           2 S L10 AND LUMINES?

     FILE 'REGISTRY' ENTERED AT 09:01:21 ON 10 APR 2008
L12             STRUCTURE UPLOADED
L13             STRUCTURE UPLOADED
L14          50 S L13 SSS SAM
L15       76572 S L14 SSS FULL

     FILE 'CAPLUS' ENTERED AT 09:04:39 ON 10 APR 2008
L16        2815 S L15 AND DEV/RL
L17       25099 S L15
L18         423 S L17 AND ELECTROLUMIN?
L19         162 S L18 AND PY<=2002
L20         108 S L19 AND RUTHENIUM
L21          20 S L19 AND OSMIUM
L22           3 S L19 AND CALCIUM

     FILE 'REGISTRY' ENTERED AT 09:08:43 ON 10 APR 2008
L23             STRUCTURE UPLOADED
L24         769 S L23 SSS FULL

     FILE 'CAPLUS' ENTERED AT 09:09:06 ON 10 APR 2008
L25         283 S L24
L26           8 S L25 AND ELECTROLUMIN?

=> s l20 and patent/dt
      6146398 PATENT/DT
L27         28 L20 AND PATENT/DT

=> d l27 1-28 ibib

L27  ANSWER 1 OF 28  CAPLUS  COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:         2004:27404  CAPLUS  Full-text
DOCUMENT NUMBER:          140:69694
TITLE:                    Preparation and use of ruthenium complex of
                          pyridine compounds
INVENTOR(S):              Zhang, Baowen; Xie, Puhui; Hou, Yuanjun; Cao, Yi
PATENT ASSIGNEE(S):       Inst. of Photosensitive Chemistry, China Academy of
                          Sciences, Peop. Rep. China
SOURCE:                   Faming Zhuanli Shenqing Gongkai Shuomingshu, 24 pp.
                          CODEN: CNXXEV
DOCUMENT TYPE:            Patent
LANGUAGE:                 Chinese
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
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     CN 1359901          A      20020724    CN 2000-135815         20001221 <--
PRIORITY APPLN. INFO.:                       CN 2000-135815         20001221
OTHER SOURCE(S):          CASREACT 140:69694; MARPAT 140:69694

L27  ANSWER 2 OF 28  CAPLUS  COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:         2003:717673  CAPLUS  Full-text
DOCUMENT NUMBER:          139:206660
TITLE:                    Method for making microsensor arrays for detecting
                          analytes
INVENTOR(S):              Bright, Frank V.; Cho, Eun Jeong
PATENT ASSIGNEE(S):       USA
SOURCE:                   U.S. Pat. Appl. Publ., 20 pp., Cont.-in-part of U.S.
                          Ser. No. 254,254.
                          CODEN: USXXCO
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   2
PATENT INFORMATION:

     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
     ----------          ----   ----------  ---------------------  --------
     US 20030170908      A1     20030911    US 2003-351109         20030124
     US 6492182          B1     20021210    US 2000-628209         20000728 <--
     US 20030027353      A1     20030206    US 2002-254253         20020925
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US 6582966	B2	20030624			
US 20030036205	A1	20030220	US 2002-254254		20020925
US 6589438	B2	20030708			
PRIORITY APPLN. INFO.:			US 2000-628209	A3	20000728
			US 2002-351592P	P	20020125
			US 2002-254254	A2	20020925
			US 1999-145856P	P	19990728

L27 ANSWER 3 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2002:608034 CAPLUS Full-text
DOCUMENT NUMBER: 137:161462
TITLE: Optical imaging display device with transparent solar battery
INVENTOR(S): Oasa, Masahiro
PATENT ASSIGNEE(S): Sumitomo Metal Mining Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002229472	A	20020814	JP 2001-21131	20010130 <--
PRIORITY APPLN. INFO.:			JP 2001-21131	20010130

L27 ANSWER 4 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2002:488017 CAPLUS Full-text
DOCUMENT NUMBER: 137:54420
TITLE: Electroluminescent device comprising an electroluminescent material of at least two metal chelates
INVENTOR(S): Brunner, Klemens; De Cola, Luisa; Hofstraat, Johannes Willem
PATENT ASSIGNEE(S): Koninklijke Philips Electronics N.V., Neth.
SOURCE: U.S. Pat. Appl. Publ., 9 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20020079830	A1	20020627	US 2001-28377	20011221 <--
TW 528789	B	20030421	TW 2001-90124832	20011008
WO 2002051959	A1	20020704	WO 2001-IB2662	20011219 <--
W: CN, JP, KR				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
EP 1409606	A1	20040421	EP 2001-272214	20011219
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY, TR				
PRIORITY APPLN. INFO.:			EP 2000-204738	A 20001222
			WO 2001-IB2662	W 20011219
OTHER SOURCE(S):	MARPAT 137:54420			

L27 ANSWER 5 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2002:464293 CAPLUS Full-text
DOCUMENT NUMBER: 137:39099
TITLE: Luminescent material containing tris(bipyridyl) ruthenium complex, and organic electroluminescent apparatus
INVENTOR(S): Shiratori, Toshiaki; Yamamoto, Kimitoshi; Higuchi, Masayoshi; Inaba, Yukinori
PATENT ASSIGNEE(S): Keio University, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

JP 2002173673	A	20020621	JP 2000-370366	20001205 <--
PRIORITY APPLN. INFO.:			JP 2000-370366	20001205
OTHER SOURCE(S):	MARPAT 137:39099			

L27 ANSWER 6 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2002:464173 CAPLUS Full-text
DOCUMENT NUMBER: 137:54730
TITLE: Tris(bipyridyl)ruthenium complexes and their use for light-emitting materials and organic electroluminescent devices
INVENTOR(S): Shiratori, Toshiaki; Yamamoto, Kimitoshi; Higuchi, Masayoshi; Inaba, Yukinori
PATENT ASSIGNEE(S): Keio University, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002173481	A	20020621	JP 2000-370365	20001205 <--
PRIORITY APPLN. INFO.:			JP 2000-370365	20001205
OTHER SOURCE(S):	MARPAT 137:54730			

L27 ANSWER 7 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2002:422962 CAPLUS Full-text
DOCUMENT NUMBER: 137:13028
TITLE: Polymeric polyamine complex with phosphate polymer, organic molecular electroluminescent device using it, their manufacture, and photoelectric conversion device using the complex
INVENTOR(S): Kobayashi, Norihisa
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002161135	A	20020604	JP 2001-197264	20010628 <--
PRIORITY APPLN. INFO.:			JP 2000-280163 A	20000914

L27 ANSWER 8 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2002:193188 CAPLUS Full-text
DOCUMENT NUMBER: 136:254346
TITLE: Luminescent component and production method
INVENTOR(S): Takeuchi, Masataka
PATENT ASSIGNEE(S): Showa Denko K. K., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002075001	A	20020315	JP 2000-264950	20000901 <--
PRIORITY APPLN. INFO.:			JP 2000-264950	20000901

L27 ANSWER 9 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2002:143073 CAPLUS Full-text
DOCUMENT NUMBER: 136:191505
TITLE: High efficiency solid state light-emitting device and method of generating light
INVENTOR(S): Rubner, Michael F.; Rudmann, Hartmut
PATENT ASSIGNEE(S): Massachusetts Institute of Technology, USA
SOURCE: PCT Int. Appl., 37 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002015294	A2	20020221	WO 2001-US41717	20010814 <--
WO 2002015294	A3	20020530		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2001085437	A5	20020225	AU 2001-85437	20010814 <--
TW 535698	B	20030601	TW 2001-90120070	20010816
PRIORITY APPLN. INFO.:			US 2000-225589P P	20000816
			WO 2001-US41717 W	20010814

L27 ANSWER 10 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2001:781473 CAPLUS Full-text
DOCUMENT NUMBER: 135:315564
TITLE: Optically based transcutaneous blood gas sensor
INVENTOR(S): Ring, Lawrence S.; Levin, Paul D.
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 18 pp., Cont.-in-part of U.S. Ser. No. 553,439.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20010034479	A1	20011025	US 2001-754177	20010104 <--
PRIORITY APPLN. INFO.:			US 2000-553439 A2	20000419

L27 ANSWER 11 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2001:407937 CAPLUS Full-text
DOCUMENT NUMBER: 135:28496
TITLE: Sensing device with sol-gel derived film on the light source
INVENTOR(S): Watkins, A. Neal; Wenner, Brett R.; Jordan, Jeffrey D.; Bright, Frank V.
PATENT ASSIGNEE(S): The Research Foundation of State University of New York, USA
SOURCE: U.S., 12 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6241948	B1	20010605	US 1998-82235	19980520 <--
PRIORITY APPLN. INFO.:			US 1998-82235	19980520
REFERENCE COUNT:	14	THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L27 ANSWER 12 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2001:397157 CAPLUS Full-text
DOCUMENT NUMBER: 135:28416
TITLE: Optical sensors and arrays containing thin film electroluminescent devices
INVENTOR(S): Aylott, Jonathan W.; Chen-esterlit, Zoe; Friedl, Jon H.; Kopelman, Raoul; Savvateev, Vadim N.; Shinar, Joseph
PATENT ASSIGNEE(S): Iowa State University Research Foundation, Inc., USA; Regents of the University of Michigan

SOURCE: PCT Int. Appl., 77 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001038857	A1	20010531	WO 2000-US31921	20001121 <--
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6331438	B1	20011218	US 1999-448499	19991124 <--
EP 1171764	A1	20020116	EP 2000-990188	20001121 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2003515163	T	20030422	JP 2001-540355	20001121
PRIORITY APPLN. INFO.:			US 1999-448499 A	19991124
			WO 2000-US31921 W	20001121
REFERENCE COUNT:	4	THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L27 ANSWER 13 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2001:101410 CAPLUS Full-text
DOCUMENT NUMBER: 134:144196
TITLE: Device for detecting analytes comprising electromagnetic radiation generating substrate and microsensor arrays
INVENTOR(S): Bright, Frank V.; Wenner, Brett; Doody, Meagan; Baker, Gary A.
PATENT ASSIGNEE(S): The Research Foundation of State University of New York, USA
SOURCE: PCT Int. Appl., 48 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001009604	A1	20010208	WO 2000-US20646	20000728 <--
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 20030027353	A1	20030206	US 2002-254253	20020925
US 6582966	B2	20030624		
PRIORITY APPLN. INFO.:			US 1999-145856P P	19990728
			US 2000-628209 A3	20000728
REFERENCE COUNT:	1	THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L27 ANSWER 14 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2001:12787 CAPLUS Full-text
DOCUMENT NUMBER: 134:93175
TITLE: Electroluminescent device having a structured particle electron conductor
INVENTOR(S): Spitler, Mark; Lampe-onnerud, Christina; Onnerud, Per
PATENT ASSIGNEE(S): Quantum Energy Technologies, USA
SOURCE: PCT Int. Appl., 28 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent

LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001001501	A1	20010104	WO 1999-US14309	19990624 <--
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9949607	A1	20010131	AU 1999-49607	19990624 <--
PRIORITY APPLN. INFO.:			WO 1999-US14309 A	19990624
REFERENCE COUNT:	7	THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L27 ANSWER 15 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2000:513824 CAPLUS Full-text
DOCUMENT NUMBER: 133:132086
TITLE: Glucose biosensor using fluorescent metal-ligand complexes
INVENTOR(S): Lakowicz, Joseph R.; Murtaza, Zakir
PATENT ASSIGNEE(S): University of Maryland, Baltimore, USA
SOURCE: PCT Int. Appl., 33 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000043536	A1	20000727	WO 2000-US1716	20000121 <--
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
PRIORITY APPLN. INFO.:			US 1999-116968P P	19990122
REFERENCE COUNT:	1	THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L27 ANSWER 16 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1999:370050 CAPLUS Full-text
DOCUMENT NUMBER: 130:360748
TITLE: Fluorescence sensing device
INVENTOR(S): Colvin, Arthur E., Jr.
PATENT ASSIGNEE(S): USA
SOURCE: U.S., 7 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5910661	A	19990608	US 1997-855235	19970513 <--
PRIORITY APPLN. INFO.:			US 1997-855235	19970513
REFERENCE COUNT:	8	THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L27 ANSWER 17 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1999:311361 CAPLUS Full-text
DOCUMENT NUMBER: 130:308775
TITLE: Measuring the concentration of a substance
INVENTOR(S): Vojnovic, Borivoj; Young, William K.; Wardman, Peter

PATENT ASSIGNEE(S): Cancer Research Campaign Technology Ltd., UK
SOURCE: PCT Int. Appl., 39 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9923476	A1	19990514	WO 1998-GB1809	19980619 <--
W: AU, CA, JP, NZ, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
GB 2330903	A	19990505	GB 1997-23229	19971103 <--
GB 2330903	B	20020515		
CA 2309089	A1	19990514	CA 1998-2309089	19980619 <--
AU 9881188	A	19990524	AU 1998-81188	19980619 <--
AU 746460	B2	20020502		
EP 1029233	A1	20000823	EP 1998-930909	19980619 <--
EP 1029233	B1	20030319		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2002529682	T	20020910	JP 2000-519291	19980619 <--
AT 235049	T	20030415	AT 1998-930909	19980619
PT 1029233	T	20030731	PT 1998-930909	19980619
ES 2195356	T3	20031201	ES 1998-930909	19980619
US 6531097	B1	20030311	US 2000-559780	20000427

PRIORITY APPLN. INFO.: GB 1997-23229 A 19971103
WO 1998-GB1809 W 19980619
REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 18 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1999:113901 CAPLUS Full-text
DOCUMENT NUMBER: 130:160352
TITLE: Electroluminescent device
INVENTOR(S): Nuesch, Frank Alain; Rotzinger, Francois; Si-Ahmed, Lynda; Zuppiroli, Libero
PATENT ASSIGNEE(S): Ecole Polytechnique Federale de Lausanne, Switz.
SOURCE: PCT Int. Appl., 57 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9907028	A1	19990211	WO 1998-CH324	19980731 <--
W: JP, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 1012892	A1	20000628	EP 1998-934728	19980731 <--
R: CH, DE, FR, GB, LI, NL				
JP 2001512245	T	20010821	JP 2000-505659	19980731 <--
US 6569544	B1	20030527	US 2000-463880	20000131

PRIORITY APPLN. INFO.: CH 1997-1844 A 19970731
WO 1998-CH324 W 19980731
OTHER SOURCE(S): MARPAT 130:160352
REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 19 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1998:766543 CAPLUS Full-text
DOCUMENT NUMBER: 130:32424
TITLE: Fluorescence sensing device
INVENTOR(S): Colvin, Arthur E., Jr.
PATENT ASSIGNEE(S): USA
SOURCE: PCT Int. Appl., 32 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 9852024	A1	19981119	WO 1998-US9588		19980512 <--
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW					
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG					
US 5894351	A	19990413	US 1997-855234		19970513 <--
CA 2287307	A1	19981119	CA 1998-2287307		19980512 <--
CA 2287307	C	20070710			
AU 9874803	A	19981208	AU 1998-74803		19980512 <--
AU 723849	B2	20000907			
EP 981736	A1	20000301	EP 1998-922204		19980512 <--
EP 981736	B1	20021204			
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI					
JP 2001525930	T	20011211	JP 1998-549381		19980512 <--
AT 229178	T	20021215	AT 1998-922204		19980512 <--
PT 981736	T	20030430	PT 1998-922204		19980512
ES 2187968	T3	20030616	ES 1998-922204		19980512
IN 1998CA00840	A	20051202	IN 1998-CA840		19980512
TW 388365	B	20000321	TW 1998-87107405		19980513 <--
NO 9905282	A	20000110	NO 1999-5282		19991028 <--
MX 9910459	A	20000531	MX 1999-10459		19991112 <--
HK 1023401	A1	20030516	HK 2000-102351		20000419
PRIORITY APPLN. INFO.:			US 1997-855234	A	19970513
			WO 1998-US9588	W	19980512

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 20 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1998:38434 CAPLUS Full-text
DOCUMENT NUMBER: 128:111545
TITLE: Determination of analytes using two labels
INVENTOR(S): Wenzig, Peter; Giesen, Ursula; Ziegler, Guenther; Weindel, Kurt
PATENT ASSIGNEE(S): Boehringer Mannheim G.m.b.H., Germany
SOURCE: Ger. Offen., 16 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
DE 19627290	A1	19980108	DE 1996-19627290		19960706 <--
WO 9801578	A1	19980115	WO 1997-EP3480		19970702 <--
W: AU, BR, CA, CN, JP, KR, MX, NZ, US					
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE					
AU 9734419	A	19980202	AU 1997-34419		19970702 <--
EP 912765	A1	19990506	EP 1997-930488		19970702 <--
EP 912765	B1	20020731			
R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, LU, NL, SE, FI					
JP 2000514188	T	20001024	JP 1998-504751		19970702 <--
AT 221579	T	20020815	AT 1997-930488		19970702 <--
ES 2184109	T3	20030401	ES 1997-930488		19970702
US 6447999	B1	20020910	US 1999-147472		19990216 <--
US 20030068635	A1	20030410	US 2002-157850		20020531
PRIORITY APPLN. INFO.:			DE 1996-19627290	A	19960706
			WO 1997-EP3480	W	19970702
			US 1999-147472	A3	19990216

L27 ANSWER 21 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1997:342026 CAPLUS Full-text
DOCUMENT NUMBER: 126:350928
TITLE: Optical sensor and method
INVENTOR(S): Ackley, Donald E.; Harvey, Thomas B., III
PATENT ASSIGNEE(S): Motorola, Inc., USA
SOURCE: U.S., 4 pp.

CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5629533	A	19970513	US 1995-384095	19950206 <--
PRIORITY APPLN. INFO.:			US 1995-384095	19950206

L27 ANSWER 22 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1997:88536 CAPLUS Full-text
DOCUMENT NUMBER: 126:112509
TITLE: Electrochemiluminescent metal chelate labels and means for detection
INVENTOR(S): Yang, Hongjun; Gudibande, Satyanarayana R.
PATENT ASSIGNEE(S): Igen, Inc., USA
SOURCE: PCT Int. Appl., 50 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9635697	A1	19961114	WO 1996-US6404	19960507 <--
W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML				
AU 9658543	A	19961129	AU 1996-58543	19960507 <--
PRIORITY APPLN. INFO.:			US 1995-436537	A 19950508
			WO 1996-US6404	W 19960507
OTHER SOURCE(S):			MARPAT 126:112509	

L27 ANSWER 23 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1997:51532 CAPLUS Full-text
DOCUMENT NUMBER: 126:81264
TITLE: Method for derivatizing electrodes and assay methods using such derivatized electrodes
INVENTOR(S): Talley, David; Leland, Jonathan K.; Blackburn, Gary F.
PATENT ASSIGNEE(S): Igen, Inc., USA
SOURCE: PCT Int. Appl., 54 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9636870	A1	19961121	WO 1996-US6948	19960516 <--
W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML				
AU 9659206	A	19961129	AU 1996-59206	19960516 <--
US 6132955	A	20001017	US 1997-922761	19970903 <--
PRIORITY APPLN. INFO.:			US 1995-443497	A 19950518
			WO 1996-US6948	W 19960516

L27 ANSWER 24 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1996:452343 CAPLUS Full-text
DOCUMENT NUMBER: 125:109628
TITLE: Magnetic particle based electrochemiluminescent detection apparatus and method
INVENTOR(S): Talley, David B.; Leland, Jonathan K.
PATENT ASSIGNEE(S): Igen, Inc., USA
SOURCE: PCT Int. Appl., 49 pp.

CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9615440	A1	19960523	WO 1995-US14847	19951113 <--
W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TT				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
US 5744367	A	19980428	US 1994-339237	19941110 <--
AU 9645015	A	19960606	AU 1996-45015	19951113 <--
JP 10509798	T	19980922	JP 1996-516309	19951113 <--
EP 871864	A1	19981021	EP 1995-943578	19951113 <--
EP 871864	B1	20060913		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV				
AT 339682	T	20061015	AT 1995-943578	19951113
ES 2273339	T3	20070501	ES 1995-943578	19951113
US 6133043	A	20001017	US 1998-66704	19980427 <--
JP 2006184294	A	20060713	JP 2006-96563	20060331

PRIORITY APPLN. INFO.:		
US 1994-339237	A	19941110
JP 1996-516309	A3	19951113
WO 1995-US14847	W	19951113

L27 ANSWER 25 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1996:417998 CAPLUS Full-text
DOCUMENT NUMBER: 125:81284
TITLE: Long lifetime anisotropy (polarization) probes for clinical chemistry, immunoassays, affinity assays and biomedical research
INVENTOR(S): Lakowicz, Joseph R.; Szmacinski, Henryk; Terpetschnig, Ewald
PATENT ASSIGNEE(S): USA
SOURCE: PCT Int. Appl., 68 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9613722	A1	19960509	WO 1995-US14143	19951027 <--
W: AU, CA, JP, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
US 5660991	A	19970826	US 1994-330743	19941028 <--
CA 2203772	A1	19960509	CA 1995-2203772	19951027 <--
AU 9642797	A	19960523	AU 1996-42797	19951027 <--
AU 686490	B2	19980205		
EP 788601	A1	19970813	EP 1995-941349	19951027 <--
EP 788601	B1	20061227		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
JP 10508103	T	19980804	JP 1995-514837	19951027 <--
AT 349696	T	20070115	AT 1995-941349	19951027

PRIORITY APPLN. INFO.:		
US 1994-330743	A2	19941028
WO 1995-US14143	W	19951027

L27 ANSWER 26 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1993:619162 CAPLUS Full-text
DOCUMENT NUMBER: 119:219162
TITLE: Electrochemiluminescent label for DNA probe assays
INVENTOR(S): Gudibande, Satyanarayana R.; Kenten, John H.
PATENT ASSIGNEE(S): Igen, Inc., USA
SOURCE: PCT Int. Appl., 62 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
WO 9312256	A1	19930624	WO 1992-US10480	19921207	<--
W: AU, CA, JP, KR					
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE					
ZA 9209351	A	19930604	ZA 1992-9351	19921202	<--
IL 103960	A	20000831	IL 1992-103960	19921203	<--
IL 125465	A	20001031	IL 1998-125465	19921203	<--
AU 9332388	A	19930719	AU 1993-32388	19921207	<--
AU 661757	B2	19950803			
EP 667979	A1	19950823	EP 1993-900868	19921207	<--
EP 667979	B1	20010926			
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE					
JP 3067030	B2	20000717	JP 1993-510980	19921207	<--
JP 07503947	T	19950427			
AT 206170	T	20011015	AT 1993-900868	19921207	<--
ES 2164069	T3	20020216	ES 1993-900868	19921207	<--
CA 2123808	C	20030527	CA 1992-2123808	19921207	
US 5610017	A	19970311	US 1995-461038	19950605	<--
US 5686244	A	19971111	US 1995-461645	19950605	<--
US 5597910	A	19970128	US 1995-479817	19950607	<--
PRIORITY APPLN. INFO.:			US 1991-805537	A 19911211	
			IL 1992-103960	A3 19921203	
			WO 1992-US10480	A 19921207	
			US 1994-307026	B3 19940915	
OTHER SOURCE(S):		MARPAT 119:219162			

L27 ANSWER 27 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1992:200808 CAPLUS Full-text
DOCUMENT NUMBER: 116:200808
TITLE: Electroluminescent electrode made of a tris bipyridyl ruthenium complex embedded in a perfluorinated polymer and deposited on a transparent electrode
INVENTOR(S): Dixon, Brian G.; Deans, John R.; Morris, Robert S.; Sanford, John P.
PATENT ASSIGNEE(S): Cape Cod Research, Inc., USA
SOURCE: U.S., 3 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
US 5075172	A	19911224	US 1991-506808	19910410	<--
PRIORITY APPLN. INFO.:			US 1991-506808	19910410	

L27 ANSWER 28 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1978:555607 CAPLUS Full-text
DOCUMENT NUMBER: 89:155607
ORIGINAL REFERENCE NO.: 89:23995a,23998a
TITLE: Electrolyte solutions for electrochemiluminescent display devices
INVENTOR(S): Iwasa, Koji
PATENT ASSIGNEE(S): Daini Seikosha Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
JP 53032889	B4	19780328	JP 1976-107060	19760907	<--

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FULL ESTIMATED COST                                    85.40     726.22

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